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GALLOWAY PURE TESTED SEEDS 1919



GALLOWAY BROS & CO.
WATERLOO IOWA



King White See page 87 for
Per pkt. 10c; description. Illustra-
per oz. 40c. tion actual size.

Jean Ireland
Per pkt. 20c; per oz. 75c
See page 69 for description.
Illustration actual size.

**Aster
Giant
Comet**

See page 70 for

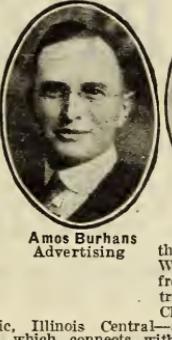
description and price. Comes mixed, in all colors. Our most gorgeous Aster
Price, pkt. 15c; 2 pkts. 25c



Wm. Galloway
President



J. W. Galloway
V. Pres. & Gen. M.



Amos Burhans
Advertising



G. Hall
Seed Expert

Our location at Waterloo, Iowa, could not be better for a seed business, because we are in the heart of the great agricultural district of the United States, which puts us within twenty-four hours' mail service of about three-fourths of

the population of the United States. We have excellent mail, express and freight shipment facilities, having three trunk line railroads, including the Chicago Great Western, the Chicago, Rock Island & Pacific, Illinois Central—and the Waterloo, Cedar Falls & Northern electric road, which connects with the Northwestern and the Minneapolis & St. Louis, goes right past our doors. These shipping facilities enable us to give your large orders as well as small orders quick handling.

GREETINGS FOR 1919

THE most valuable goods are generally put up in the smallest packages! 1920
This little catalog contains the most valuable and most carefully selected varieties of garden and flower seeds and nursery stock that our experts in this line can select.

We have planned this Pure Seed Book and Planting Guide so our friends and customers will not have to wade through volumes of description to find the items they want to plant, how to plant them and how to care for them.

We have reduced the size of our book so that it fits the pocket, as so many of our friends have asked us to do.

When we started in the seed business seven years ago, after analyzing the seed situation and the average seed catalog we decided only to select and offer the most select and best varieties of various vegetables, berries, bush fruits, fruit trees, shrubs, plants and flower seeds.

Some seed catalogs list twice as many varieties as we do, but many of the kinds they offer have been discarded by up-to-date and progressive gardeners and vegetable growers.

We established one policy when we started in, which was to offer only one quality—absolutely and positively the best by actual test, thereby saving our customers the unnecessary trouble of wading through pages of useless varieties. In this way we give our customers the services of our seed experts who have served their apprenticeships in gaining this knowledge. Many amateur gardeners have to learn this by actual experience, which is expensive and unnecessary.

The result is that we have built up in a very short time a phenomenal garden seed trade. In fact, we are specializing almost entirely on garden seeds, plants and shrubs, and have practically discarded field seeds of all kinds, because our experience has been we can serve our customers better if we specialize.

Our Friends Are Our Best Advertisements

The many unsolicited testimonials we receive every season prove that our pure tested high quality seeds—our standard of germination, and the manner in which we handle our customers' orders, are the things that count in building up a large seed business.

We try to keep in mind that it is not the order that you give us this year that counts, but your order every year, season after season, that we strive for.

Good seeds—pure seeds—sure seeds—are the smallest initial investment you make in your garden or your field crops.

The difference between pure seed and poor seed at buying time is not very much—a small thing to reckon, but at harvest time the good seed will have matured into heavy profitable crops, while the poor seed yields poor to medium results.

Good seed is cheapest in the end—and only the results at harvest time count.

At this time when all of us gardeners, truckers, farmers and planters are trying to grow the biggest crops possible, pure seeds are of the greatest importance.

This is why we are testing our 1919 seeds more severely than ever and sending out nothing but the very best seeds of high germination and prime in quality.

I have often said that no matter how valuable your land—no matter how much you weed, dig, hoe or cultivate—how deep you plow—how well you make the seed bed—how much you disc, harrow and rake—how much the sun shines or how much rain you get—how much you irrigate or how ideal the weather conditions may be—no matter how much you fertilize

or manure the soil—and every one of these things represent real money—they are all lost, all wasted, all the effort counts for nothing, if in the first place you don't have the right kind of seed to put into your soil.

Remember, a small order is just as much appreciated as a large one, and if you want to do us a good turn just loan this book to a neighbor or friend who is also in the market for pure seeds—sure seeds.

Wm. Galloway

Sign of Proven Quality



Wherever this sign of the star appears it means that the article—seed or plant—so marked is one that we know, from experience, is the best of its kind and gives the most uniform and satisfactory results. Note that our specials in color are most all marked with the star. Other items are also marked because they are standard varieties and have given our customers satisfaction season after season. Watch for the star in making out your order.

STOP!! RIGHT HERE!

FIRST! BEFORE YOU GO ANY FARTHER IN THIS BOOK

Just take a minute to go over a few of these letters. Notice how they ring true. Anything that is true rings true. They tell the true story and the facts about Galloway Pure Tested seeds better than if we were to write half a dozen pages.

Actual experience in everything is what counts. These letters are written from actual experience—no guess work. Here they are in black and white.

These letters show the results from the application of our motto: "Only one quality, absolutely and positively the best, no second or third gradés"—not having twenty-five different varieties of peas or beans, but only selecting the proven and tested varieties that our experts have found from actual experience are the best, thus eliminating all unnecessary and mediocre kinds.

These letters printed here are true and certainly ring true. They tell the whole story. Read them over, and be your own judge. Then send us a trial order, and you will be convinced. None of these people who have written these letters have we ever met, but they, like yourself, received our book, ordered seeds, and these letters are the results. No more convincing arguments could be put up in either pictures or words. Don't forget to try our Specials for 1919.

Jan. 4, 1918.

GEO. M. FOX, LEXINGTON, NEBR. I wish to thank you for the prompt and efficient way in which you handled my order for garden seeds and also for the present package. I think they are the best quality of garden seeds I have ever seen.

July 16, 1918.

DESTER S. PEOBLE, 104 VREELAND AVE., NUTLEY, NEW JERSEY: I used your vegetable seed which I purchased from you, and everything was better than I expected. Everything was A1. The sweet peas which you sent as a present were fine and for over four weeks we have been picking the most beautiful bouquet of sweet peas. The colors are rich. Many thanks.

April 4, 1918.

GEORGIE O. RANNEY, 267 WINCHESTER AVE., NEW HAVEN, CONN. Please send me your seed catalog at once. I have used your seeds for five years and I think there is nothing better.

July 14, 1918.

MRS. NORMAN FETTING, SPRING VALLEY, WIS. I have reason to be more proud of my garden this summer than any of my other gardens before due to the splendid quality of the garden seeds I ordered from you.

ANDREW SAXONER, SHAVERTOWN, NEW YORK. Just a few lines of praise. I have always had excellent results from your seeds. Every seed seems to grow. This makes the fifth order.

Feb. 9, 1918.

CHAS. COMER, TALMAGE, IOWA. I got my seed from you last year and I believe every seed grew.

March 25, 1918.

MRS. JOHN FLEEGE, EAST DUBUQUE, ILL. I am an old customer of yours, have been planting your garden seeds for the last eight years, have never found anything to come up to equal your seeds. They always grow and are true to name. I speak highly of them wherever I can. Have always been well pleased. I would not think of sending anywhere else for seeds. Many thanks, many thanks, for the extra seeds you sent me last year as a present.

March 25, 1918.

THEODORE HAWK, EMMONS, MINN. I always get my seeds of you for they are far the best seeds I ever planted.

F. M. YOUNG, SOUTH SOLON, OHIO. My garden that I planted with your seeds was the best garden that I ever raised. Galloway's New Sweet Potato Squash was simply a hummer and Galloway's Little Wonder Carrot was simply fine.

“ONE MAN’S WORD IS NO MAN’S WORD.” QUIETLY HEAR THE OTHER SIDE.

HERE IS THE OTHER SIDE!

READ THEM!

MISS LIZZIE A. JOHNSON, PARKHILL, ONTARIO, CAN. I fully intended to write to you last fall and let you know how your seeds turned out in Canada. We never had better crops of anything than we had last year. We have dealt with different firms, both in Canada and United States, you being the seventh firm (last but not least) and are certainly an honest firm to deal with. Your seeds, unlike any other, seem to keep fresh for some years. I planted some tomatoes a few days ago that I got from you last spring and every seed has come up this time.

MRS. E. G. JUNG, PATON, IOWA. The best garden I ever had was a garden grown from Galloway's seeds.

March 25, 1918.

C. S. KIRK, LAKE WORDEN, SOUTH DAKOTA. I just want to remark that we bought our garden seed from you last year and it was the best garden we ever had, so of course you will get an order again this year.

March 11, 1918.

STEPHEN ALLYN BIRD, FREEPORT, MICH. We have used your garden seeds and find them to be the highest test seed we have ever used.

April 17, 1917.

MRS. WM. RUETZ, STATION B, TOLEDO, OHIO. I have found your seed to be the best I ever used.

April 18, 1918.

EDNA MOORE, STEAMBOAT ROCK, IOWA. The seed I got from you last year grew fine, especially the Masterpiece Mixture of Sweet Peas. I never got so much for my money nor so much enjoyment out of a dime in my life.

April 4, 1918.

MRS. MATT SIMONS, BRIDGEPORT, WIS. We have gotten all of our seeds from you for the last two years, and they surely were fine. Last year you sent me a present package of Sweet Peas. They were just beautiful.

April 1, 1918.

MIKE GABLE, BUCYRUS, OHIO. We procured our seeds from you last year, and it certainly was one of the luckiest days which ever came my way when we sent to you.

April 4, 1918.

MRS. MIKE ROBBINS, GERLAW, ILL. I have been using Galloway seeds for five years, and find them the best I ever used.

April 23, 1918.

MRS. K. G. LARSON, R. F. D. 2, WAUKEGAN, ILL. Your seeds are fine. We were pleased with our garden last year. Had all we could eat ourselves and sold around \$115.00 worth of early vegetables. Would have been better had weather conditions been better. Our garden is only a little more than one-half acre.

Jan. 30, 1918.

MISS MAUDE CONKLE, JOPLIN, MISSOURI. Will you please send me one of your catalogs? I never have found any seeds that I can raise as fine a garden from.

Jan. 31, 1918.

GEO. H. SMITH, MELVIN, ILL. I got some seeds of you last spring and was more than pleased with them. They are all you claim for them, and the sweet potato squash is a wonder and every one who seen and tasted them pronounced them perfect and even better than a real sweet potato. I remain, as ever, a satisfied customer.



This is a general view of Mr. Hartman's garden. It gives an idea of how carefully he plans his garden work and how nicely it is laid out. It is just as easy to have a garden laid out so it is handy to work in as it is to have it any other way. Note the young fruit trees coming on, the bush fruits, and the vines in this small model garden.



Mr. Hartman is holding up a few of the leaves of some pole beans so you can see the immense size of them. You can do as well if you try.



Here are a few of the Porterhouse Tomatoes grown in Mr. Hartman's garden. Read the story on this page.

The Story of A City Man's Garden

AS a joy producer and care banisher the home garden has few equals. There is a thrill in every stroke of the hoe and the busy merchant, professional man or farmer will find that an hour or two of the early morning spent in the garden will fit him for the day's task. And that tired feeling which creeps upon one as the cares of the day accumulate vanishes in the quiet of evenfall among the growing plants. Here, close to nature, the mind relaxes and turns to the simpler things of life, and both mental and physical benefit is the reward.

The story of plant life from the seed to maturity is told in daily chapters, entrancing, as it unfolds itself! Fascination and interest increase as each new lesson is learned. Observant persons may gain knowledge not found in books.

The writer has been a gardener since childhood, engaging in this healthful and profitable pursuit when circumstances permitted; The garden in which the views accompanying this article were taken represented some of the results obtained through soil treatment, Galloway Bros. & Co. tested seeds and thorough cultivation. Fine as my gardens have been, they can be equalled and even bettered by anyone who is willing to bestow a proper amount of care and attention. Keep a record of your garden products showing variety, date of planting and maturity, results attained, weather conditions, etc., and this will prove an aid in future operations.

Back Yard Will Supply Ordinary Family

Why complain of the high cost of living when with successive planting the average back yard will supply an ordinary family table with ample vegetables during the summer season as well as a quantity to be stored for winter use? And no vegetable tastes quite as good as that fresh from the garden. This is not simply a matter of sentiment—evaporation begins the instant a root is pulled from the soil or a fruit is detached from the parent stalk and with it depart juices and flavor in quantity depending upon the character of the vegetable. Hence, if you would have the best, grow it yourself.

The economic waste represented in untilled city lots and back yards of many American cities is greatly to be deplored. One of the hopeful signs of the times is the effort being put forth by the extension departments of some of our colleges, schools, civic and commercial bodies to bring about an improvement in this condition.

JOHN C. HARTMAN.

Note.—Mr. Hartman is editor of the Waterloo Evening Courier and Reporter and finds health and recreation in planning, planting and cultivating the garden shown on this page.—Wm. Galloway.



The healthy young cabbage plants to the right would be a joy to any gardener. They make us want to grow better cabbages in 1918.

On the left you see how Mr. Hartman has worked in the onions with "other vegetables. He believes in keeping something growing in the ground all the season. This makes the garden productive in dollars and cents.





Here is the market wagon of V. W. Foote & Company, whose splendid market gardens are located between Waterloo and Cedar Falls. He uses Galloway Bros. & Company Pure Tested seeds almost exclusively. A few loads of vegetables like this going to market builds up the bank account, and after all, this is what talks when it comes to market gardening.

How to Grow a Prize Garden

A PRIZE garden can be raised upon any good garden soil which is fertile and free from weeds. A good plan is to fall plow or spade up the ground that you intend to use.

A prize garden is one that produces good fresh vegetables for the home during the summer and fall and for winter use. A little common sense in laying it out and in getting the seeds into the ground early will produce a good supply of roots; beets, carrots, parsnips, onions, etc., for use during the winter months. A good garden should also produce a lot of vegetables for canning, peas, beans, tomatoes, corn, etc.

A corner should be set off for a few peplant roots. It should also have a small asparagus bed of five or six 40 ft. rows.

The idea should be to have no waste space. First early peas should be followed by a seeding of string beans. We recommend Thomas Laxton, or Alaska, for early peas. These can be sown immediately after the frost is out of the ground. Our Improved Golden Wax Bean is the best to follow these early peas.

You should get in a few rows of extra early potatoes.

Lettuce can be sown fairly early. A good leaf lettuce for early seeding is our Black Seed Simpson. A good head lettuce is our Pride of Iowa. See that the lettuce plants are properly thinned out; otherwise the leaves will become bitter and run to seed.

Crisp radishes can be had throughout the summer and early fall by successive plantings. We would suggest as the best early variety to sow our New Saxa, description of which you can read among our Star Quality specials. Two or three or even four varieties of radishes should also be in the same garden.

Beets are one of the finest root crops, splendid for greens, cooking whole, pickling and slicing. Try two or three varieties at least. Do not sow beets until the ground is nice and warm—say the last of April or early in May. Our Abundance beet is ideal for most any garden, being good deep color, medium size, with practically no core.

Every garden should have an assortment of carrots and other root crops for home use. If poultry or any kind of live stock is kept, it is a good idea to grow a few stock carrots, mangels, and sugar beets.

And remember cabbage! Have plenty of them, early, medium and late.

Plant as many rows of sweet corn as possible; two earlies, one or two kinds of main crop, and a good late variety—say Country Gentleman, because it is indispensable in every good garden.

Without fail grow all the tomatoes necessary for home use and for canning. A few hills of Dandy cucumbers should also be planted.

Muskemelons! By all means, a few hills of the bush variety, anyhow. If the season in your section is long, try a packet of Honey Dew seed. Descriptions of our melons elsewhere give particulars about season, growth and habit of these melons, as well as the water melons we offer. No farm garden where water melons can be grown is complete without them.

The best onion for the home garden is unquestionably Southport White Globe, but if you like Red Wethersfield or any other variety plant them as well. A paragraph on Garden Kinko tells how to grow big onions.

Table beets, carrots and string beans as well as early peas can be sown successionaly during the summer. This means a productive garden. As soon as early crops are off a particular spot or space sow it to quick maturing peas, beets, beans, radishes or other quick maturing vegetables.

Of course you will find a vacant place in late summer to sow turnips.

By planning your work ahead and selecting the varieties of seeds with care, with proper cultivation, you will be able to have the best garden in the neighborhood.



These splendid young grape vines have only been set out two or three seasons in the Hartman garden but they are yielding a fine profit.



Above you see the fine crop of peas and below the immense clusters of beans of the Kentucky Wax variety.



Mr. Hartman has not neglected small fruit. Look at these wonderful clusters of currants. A hand full would almost make a glass of jelly.



Planting Kinks

If You Have a Good Idea for Saving Labor or Making Bigger Garden Profits, Send It In

AN Iowa sweet pea grower says he attributes the growth and beauty of his sweet peas to early trench planting and lots of manure water applied every other night. A barrel half full of common stable manure, then filled with water and kept full of water as fast as it is dipped out for use in the sweet pea trench is the way he works it.

George Hall says that sifted coal ashes sprinkled over the tops of young tender garden plants will often save them from a frost frost.

Perfect table root crops, cabbages and onions can be grown by sowing seeds early in flats and transplanting into rows. It is far the most satisfactory. Thorough cultivation and dust mulching does the rest, if your soil is right.

Jim Galloway says the old-fashioned way is the best way to grow big onions. Here's how he does it: Sows the seed in shallow boxes early, transplants when they are 4 in. tall, cutting off half the tops and half of the roots. When properly cared for this makes prize onions.

Always keep a standard powder form worm and insect killer on hand to protect bush fruits, vine crops, cabbages, etc.

To raise lots of cucumbers and summer squash always keep the fruit picked, because if you don't and let it mature, the fruit will ripen and the vines quit bearing.

Early frost catches the slow gardener.

Plant all summer bulbs as soon as the ground is warm.

When planting a new strawberry bed make sure the drainage is perfect. Good drainage is also important for every flower bed.

If you did not manure the garden early and plow it under last fall, do it as early as possible in the spring. Use well rotted manure. Unrotted manure makes cultivation a disagreeable task.

Last year was a poor potato season most everywhere. A customer writes: "The one thing that paid the biggest dividends in my garden last year was the extra hoeing and cultivation I gave my potatoes. It mulched the ground and thus increased the moisture as well as destroying weeds. My vines were green and the tubers grew longer than the others that did not get this cultivation in the same garden.

If green moss or mould accumulates on top of your garden soil this is a sure sign of sourness. Air slacked lime or pulverized limestone is the only remedy. Rake it in after the spring plowing or spading. Three tons to the acre is not too much.

Surprise the neighbors! Put in peas, radishes, and a little sweet corn a week or ten days earlier than usual. Follow it up with the regular early plantings and successive plantings thereafter.

Either test in the soil all old seeds kept over or else throw them away. Don't depend on them.

Getting the Most Out of Cold Frames and Hot Beds

IN our Northern latitude, it is advisable to start hotbeds about March 10th, and at intervals up to April 15th for the purpose of raising early vegetable plants. A warm sunny corner, sheltered at the back by a fence or wall, would be a good place for the hotbed. A simple way to make a hotbed is to dig a pit, 6 by 12 feet, to a depth of two feet. Secure some good fresh horse stable manure, fill the pit to a depth of about 18 inches, thoroughly packing down the manure, and covering same with 3 to 4 inches of good black loam. This will make an ideal seed bed. The front or south side of the hotbed should be 6 to 8 inches lower than the back to allow the sash to slope so the plants get the full benefit of

Below is an outfit of hot beds that make this grower first on the market with his specialties: Tomatoes, Cabbages, Peppers, Cauliflower, Egg Plant, etc.

Shirtsleeve Suggestions from Practical Gardeners

This year especially, plan your garden in advance of planting. Order seeds early. Good seed stocks are scarce and many buyers will have to go without varieties they want unless they order early. European seed growers have not been able to send us seeds as formerly.

CABBAGE WORMS—Use a spray of $\frac{1}{2}$ ounce of powdered Arsenate of Lead in 1 gallon of water; this before the heads form. After heads begin to form, dust with Hellebore powder. Dusting cabbage plants with wood ashes will also check the worm.

FLEA BEETLE—This troublesome pest can be kept away from cucumber, squash and other vines by scattering around the young plants, air-slaked lime, sprinkled with turpentine. Tobacco dust will also prove effective.

GRASSHOPPERS, CUTWORMS, AND CATERPILLARS—Traps of poisoned bait will help rid the garden of these destructive pests. Mix 2 pounds of wheat bran with 1 ounce of Paris Green or Powdered Arsenate of Lead. After thoroughly mixing, moisten with sugar-water, and place near plants. Cutworms will eat it readily and die.

STRAWBERRY SLUGS AND LEAF ROLLERS—Spray the plants with Arsenate of Lead before blooming, or when the very first of the blossoms appear. Mix 1 pound of Powdered Arsenate of Lead with 50 gallons of water. Do not spray after the fruit has set.

THIN TOMATO VINES—Tomatoes that are growing too much to vine, should be thinned out by taking out some of the side shoots. This will enable the plant to set more fruit; and diseases will be less troublesome, if the sun and air can keep the leaves dry.

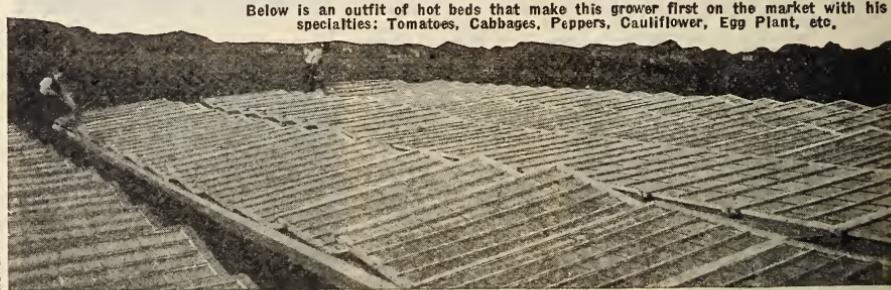
TOMATO ROT—This disease first shows itself on the blossom end of the fruit when about half grown. Three or four applications of Bordeaux mixture should be made at intervals of two weeks, making the first application as soon as the fruit begins to set.

TOMATO BLIGHT—This is a disease quite common in the lower South. It produces a wilting of the plants, and is caused by bacteria—not fungi. No remedy for this disease is known. Tomatoes should not follow potatoes, melons, or tomatoes on the same land in case any wilting of any of these crops manifests itself.

SQUASH BUG—This insect sucks the plant juice, and is a very serious pest to squash growers. The young may be destroyed by the application of 10% kerosene or a tobacco decoction. The squash is a tender plant, and care should be exercised in the application. The adult bugs should be picked off and killed. A little careful attention at the right time will prevent damage.

CHINCH BUG—In former years this was a very injurious pest, but is not now so common. Can be destroyed by spraying with 10% kerosene.

the sunshine. This hotbed would be fine for your cabbage, cauliflower, peppers, egg plants, tomatoes, or any other early seeds that you wish to grow. Second-hand window sash is often used to cover hotbeds, and is quite as good as more expensive coverings. It is advisable, in the event of extremely cold nights, to cover the hotbed with paper or old sacking. This will help to hold the heat in the hotbed. Amateurs will find that early vegetables, raised by the aid of the hotbed, will give them much better satisfaction. By the aid of a hotbed, you can get your plants so far advanced that rotation cropping is made much easier. By this method it is often possible to get two crops in one season.



Potato Diseases

THE potato is affected by the early and late BLIGHT. The early appears during hot and dry weather, and causes premature dropping of the foliage, but is not attended by rotting of the tubers. The first application may be made when the vines are one-third grown or earlier; repeat the dose in about two weeks. The late blight usually appears in August, and spreads very rapidly during warm, moist weather. Its attacks are sudden and destructive, and are usually accompanied by rotting of the tubers. Both these diseases may be prevented by thorough spraying with Bordeaux Mixture, making the first spraying about the middle of July with the late crop. The number of sprayings will depend on the weather: 3 to 5 times.

POTATO BUGS—Spray with almost any of the arsenical poisons. Arsenate of Lead has been found best by the Maine Experiment Station. The application should be made as soon as the beetles appear, in order to kill off the first brood; and it must be repeated as often during the season as is necessary to keep the pest in check.

CUCUMBER BEETLE—There are two species of this beetle, the striped and the spotted. The striped beetle has a yellow body with black stripes, while the spotted has black spots instead of stripes. They work very much the same and often together by eating the leaves and stems, and soon kill the tender plants. Spray with arsenate of lead.

CUCUMBER MILDEW—A fungus affection causing the leaves to turn yellow or brown in spots. Spray with Bordeaux Mixture 3 or 4 times at intervals of two weeks; making the first application when the vines are nearly half grown.

Poisoned Bait for CUTWORMS—When cutworms are abundant the use of poisoned bait is recommended by W. R. Walton and J. J. Davis of the U. S. Department of Agriculture. The poisoned bait may be prepared by mixing 50 pounds of wheat bran, 2 pounds of Paris Green, and 6 finely chopped oranges or lemons. Low-grade molasses is added until the whole mixture attains the consistency of a

stiff dough. Water also may be added if necessary, and middlings or alfalfa meal may be substituted for the bran. This bait should be distributed over the infested area in small lumps, and sprinkled sparingly around each plant.

SQUASH BORER—It is a good plan to bury the runners of squash vines at frequent intervals as they grow. This will foil the squash vine borers, which can be combated in only one other way; which is to cut them out, the slow process. When the vines are covered at the joints, new roots are made and growth continues in spite of the borers. If the squash vines are found to be wilted, the presence of borers may be suspected. The vegetable marrow is never bothered by borers.

MILDEW ON ROSE TREES—Dissolve 1 tablespoonful of the crystals of Permanganate of Potash in 2 gallons of water, and use it as a spray. It is almost immediately effective. Plants that were so badly infected that they looked entirely white and moulded, being effectively cleared of the pest in two days. It is sometimes necessary to make two applications where the first job is not done thoroughly.

We have never tried it on the roses inside, but feel sure that what gives such good results in the open, cannot be but helpful in the greenhouse. It does not burn the foliage at all, even where used much stronger than the above directions.

Formulas for Spraying Mixtures

BORDEAUX MIXTURE

Copper Sulphate, 6 pounds; Quickslime, 4 pounds; Water, 40 gallons.

Dissolve the Copper Sulphate by putting it in a bag of coarse cloth and hanging this in a vessel holding at least 4 gallons, so that it is just covered by the water. Use an earthen or wooden vessel. Shake the lime in an equal amount of water. Then mix the two, and add enough water to make 40 gallons. It is then ready for immediate use. For rots, moulds, mildews and all fungus diseases.

AMMONIACAL COPPER CARBONATE

Copper Carbonate, 1 ounce; Ammonia, enough to dissolve the copper; Water, 9 gallons.

The Copper Carbonate is best dissolved in large bottles, where it will keep indefinitely; and it should be diluted with water as required. For same purpose as Bordeaux Mixture.

PARIS GREEN

Paris Green, 1 pound; Water, 250 gallons.

If this mixture is to be used upon Peach trees, 1 pound of Quickslime should be added. Repeated applications will injure most foliage unless lime is added. Paris Green and Bordeaux can be applied together with perfect safety. The action of neither is weakened, and the Paris Green loses all caustic properties. For insects which chew.

LONDON PURPLE

This is used in the same proportion as Paris Green; but as it is more caustic, it should be applied with lime, or with Bordeaux Mixture. Do not use it on Peach or Plum trees. For insects which chew.

HELLEBORE

Fresh White Hellebore, 1 ounce; Water, 3 gallons. Apply when thoroughly mixed. For insects which chew.

KEROSENE EMULSION

Hard Soap, $\frac{1}{2}$ pound; Boiling water, 1 gallon; Kerosene, 2 gallons.

Dissolve the soap in the water, add the kerosene, and churn with a pump for 5 to 10 minutes. Dilute 10 to 15 times before applying. For insects which suck, cabbage worms and all insects which have soft bodies.

The back yard garden may be made very profitable if successive planting is practiced and clean cultivation follows. Use every foot of soil. This is the garden of one of our customers.

COPPER SULPHATE SOLUTION

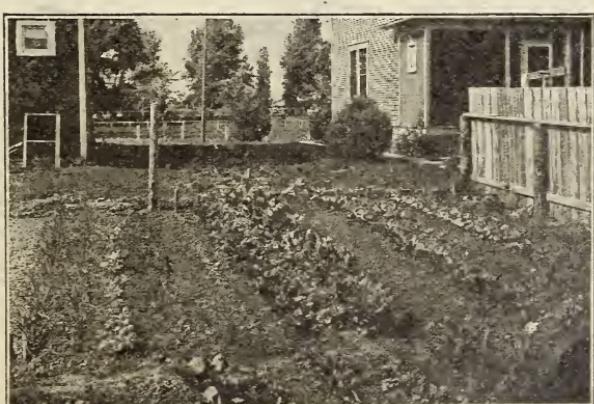
Copper Sulphate, 1 pound; Water, 15 gallons. Dissolve the copper sulphate in water; it is then ready for use. This should never be applied to foliage, but must be used before the buds break. For Peaches and Nectarines, use 25 gallons of water. For fungus diseases.

NITRATE OF SODA—This material comes in crystallized form, not unlike that of rock salt. It will dissolve in water, and a teaspoonful is sufficient for two gallons of water. It is a very concentrated fertilizer and must be used cautiously for forcing growth of cabbage, cauliflower, Brussels Sprouts, etc., that are late.

LIME RATIOS—For correcting soil acidity, one ton of burnt lime is practically equal to $1\frac{1}{2}$ tons slaked lime, or 2 tons ground limestone.

CABBAGE APHIS (Green Lice)—Same treatment as for Aphids on squash, melons, cucumbers, etc.; or a spraying with kerosene emulsion is death to this insect.

APHIS ON SQUASH, CUCUMBER, MELON, etc.—Use soot suds, into which mix a 40% nicotine solution, at the rate of 1 ounce to every 6 or 7 gallons of suds. Spray under the leaves; the vine can be turned for the convenience of spraying under leaves without fear of injury.



Our Responsibility as Seedsmen

These Letters Show How We Stand At Home

It requires a long time to build up a big seed business. Folks here at home, as well as seedsmen we know in other places, say that we have built up a remarkable business in pure tested seeds.

If there is any reason for our having been successful, it is because we have steadfastly adhered to the policy of sending our customers the best seeds possible to grow on our seed farms in Canada and here in the corn belt or import from the leading French, English and Dutch growers.

We have shipped our customers and patrons nothing but the kind of seeds that we would like to have received if we had been the buyers and they the sellers.

Years ago when we sold nothing but pedigree Regenerated Swedish Select seed oats we found there was a big demand

for all kinds of field, farm and garden seeds that were pure, unadulterated, fresh and tested in soil before they were sent out.

We are responsible as seedsmen to every one of the hundreds of thousands of people who have dealt with us and are now on our customers' lists, in that we have felt and still feel obligated to send them nothing but the best possible seeds to procure.

We have always felt that good seeds—pure seeds—if given a fair chance, were the only kind of seeds that we could afford to send out.

The thousands of testimonials now in our files lead us to believe that we have succeeded in a large measure in living up to the aims we had when we started the Galloway Bros. & Company pure seed business a few years since.

We have guaranteed: first, safe delivery, whether sent by mail, express or freight, all seeds ordered by our customers; second, that if you are not thoroughly satisfied with the seeds when you get them, after inspecting them and testing them for germination and purity, you can return them and receive your money back without quibble or question.

It is our policy to give all we can in the way of quality and service rather than to get all we could from our customers.

Why It Pays to Grow and Sell The Best

Did you ever notice that very few folks make a reputation in this world based on low price?

Hasn't it always occurred to you that the best reputations have been built upon quality?

This is the reason that we say it pays to grow and sell the best in seeds just the same as it does in live stock breeding, merchandising or manufacturing.

Our business would not have grown year after year if we had made a feature of cheap seeds at a low price—sending our customers seeds that were part filler, and part hulls and of low germination.

We have built up a bigger business by sending out only pure seeds, although we may in some instances have been forced to ask more than some competitors.

It has paid us to handle only the best just the same as it has paid you every time to have bought the best.

Very truly yours,
F. W. Powers
President.

There is an old saying that if you want to know what folks think about a man, go to his home community.

This is why we reproduced the two letters shown on this page.

A man or firm might shout about himself in his advertising and be able to fool the people for a year or two, but the letters reproduced on this page will give our prospective customers an indication of how we stand at home.

February 8, 1917.

I want to order my seeds early. I always order my garden seed of you, as they are good fresh seed that grow.

Mr. John E. Montgomery,
Holton, Ind.

To Whom It May Concern:

As a user of the Galloway Bros. & Company seeds, I wish to state that I have found their goods all that they claim for them. They have proven pure and fresh and given good results in our school gardens and in my own personal garden. The children of all our schools, amounting to several thousand, have used these seeds with good results under many and varied conditions.

Galloway Bros. & Company are doing a good work, and I believe they are sincere in their efforts to really give the public better seeds.

Yours respectfully,

A. J. Hukill.

ATH-MED

Attn: SUPERINTENDENT
P. O. BOX 1000
HOLTON, KAN. NOV. 21, 1917-181

Independent School District
of Holton
SUPERINTENDENT'S OFFICE
A. S. GALT, Superintendent

Attn: SUPERINTENDENT
P. O. BOX 1000
HOLTON, KAN. NOV. 21, 1917-181

SAFE

The Improved Soil Inoculator, Nobbe-Hiltner Process

SURE

NITRAGIN

TRADE MARK REGD. U.S. & CANADA NO. 87,217

Restores and Maintains Soil Fertility

More farmers and gardeners than ever before will use "NITRAGIN" this year! They know it is the right seed inoculator. It will bring them better and bigger crops of alfalfa, clovers, cowpeas, soybeans, field and garden peas, sweet peas, etc. It will leave a better and richer soil. Don't be the last to join the smiling users of "NITRAGIN." Try it on your 1918 legume seed and have bigger, heavier crops than ever before.

Don't Throw Away Money and Seed When Planting Legume Crops

DON'T throw away your money. You waste good money if you put in clover seed, alfalfa seed or any other legume without "Nitragin" inoculation: Listen! Many farmers and planters wonder why they can't get a clover "catch." They try year after year, spend all kinds of money for expensive seed, keep on trying, and keep on wondering, when as a matter of fact "Nitragin" would have solved their problem and given them the desired "catch," and saved them hundreds of dollars, not only by saving their seed, but by bringing them a big crop and the fertility for the crops that follow.

Warning: Remember while inoculation is necessary, yet if your soil is sour the bacteria will not do what it should, and we advise and recommend sweetening it with lime. You can very easily find out whether your soil is sour or sweet by getting a small piece of litmus paper and making what is known as the acid test. Here is how to do it:

Go to a drug store and get three or four pieces of litmus paper. In the field you want to test, dig down to the moist soil and bury a piece of litmus paper in it. Do this in several places in the field. After about five hours dig up the litmus paper. If it has turned red or pinkish you will know the soil is sour and should be limed.

From one to three tons of powdered limestone, which can be secured from any limestone quarry or road material concern, will be needed to the acre. If you can secure air-slaked lime this will do to sweeten the soil. Harrow the lime in, in newly plowed ground, after spreading it in a low broad cast. A quiet day should be selected.

"NITRAGIN" is Reliable

YOU do not have to be in doubt about "NITRAGIN." It is the original culture for legume bacteria. Nobbe and Hiltner were the first to get these bacteria in pure form. They improved the bacteria from the roots, made them strong and finally put them up in such a commercial way that they remained healthy. That is "NITRAGIN" — strong, legume bacteria to improve your farm. Farmers and growers use it regularly with their seed; State Experiment Stations recommend it.

We have many letters like this:

Cut my alfalfa yesterday and put it in the barn today without rain. Some said it would not grow here but this is the second crop and it is looking fine. I used the "NITRAGIN" and I am fixing more ground to put in alfalfa.

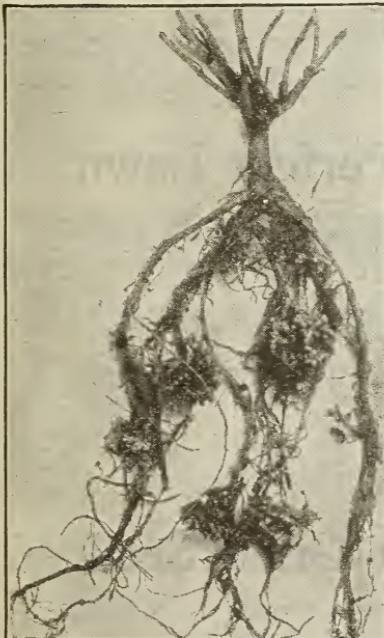
R. B. MARR,
Filley, Mo.

Prices

When ordering always state seed it is wanted for.

Garden size (For Peas, Beans & Sweet Peas).	Ship. wt., 4 oz., postpaid	\$0.35
1/2 acre size.	Shipping weight, 4 ozs.	.50
1 acre size.	Shipping weight, 8 ozs.	1.00
2 acre size.	Shipping weight, 1 lb.	1.50
5 acre size.	Shipping weight, 2 1/2 lbs.	4.00
10 acre size.	Shipping weight, 5 lbs.	7.50
	Postage or express extra.	

ASK FOR BOOKLETS ON LEGUMES.



This is only too true an illustration. The not inoculated plant shows a weak sickly stand. The inoculated shows vigor and stability. Lack of inoculation has cost the farmers of America millions of dollars when they thought it was the lack of moisture or something else.





NOTHING adds more to the beauty of a home or in every way adds to the general appearance of a premises than a well made and a well kept lawn. A lawn in the foreground as well as the background in the landscape picture of which the home forms the central part. The larger and more spacious the lawn, the more pleasing it and the dwelling are to the eye.

If you do not have a perfect lawn, or have not succeeded so far, read the following short article; then try again, using pure seed. If directions are followed, success is almost certain.

How to Secure a Perfect Lawn

FIRST manure and spade or plow deeply and thoroughly. Harrow and re-harrow or rake the ground and make it even and firm before sowing the seeds. If the seed is sown after a lawn, or the ground, has become settled, roughen the surface with a rake before sowing. Sow broadcast and choose a calm day for the work so that the seed, which is very light, may lie evenly over the whole surface.

Then rake the seed in out of sight of the birds. All foot prints must be obliterated. The quantity necessary is about 80 lbs. to the acre or one pound to 350 square feet. This quantity will produce a fine, thick, velvety sward in a short time. If weather proves dry, the ground must be watered evenings both before and after the seeds germinate.

The young lawn should be rolled with a heavy hand roller two or three times before using the lawn mower. This makes it come up very thick. Any weeds should be eradicated. Use the lawn mower as soon as necessary. If any bare places appear these spots should be lightly stirred with a hoe or rake and sown with more seed. Leave the young grass tops on the lawn as shelter from the sun.

Cut every ten days or so, and if possible, roll immediately after cutting. Great attention should be paid to regular mowing and rolling, as upon them success greatly depends, and coarser grasses, if any, cannot possibly flourish and will be killed. Frequent rollings, especially in moist weather will keep the soil compact and the surface even. An occasional dressing through the first year with *Lawn Life*, the great lawn fertilizer, will be of great benefit.

Shady Nook Lawn Grass Seed

763

The Ideal All-Purpose Mixture—Thrives Everywhere

IF you have failed to establish a lawn under your trees a few pounds of our *Shady Nook* Lawn Grass Mixture is just what you need in order to raise a patch of fine, close, compact velvety grass under such conditions. *Shady Nook* is also the best all round lawn grass mixture we have ever put out, for it thrives everywhere.

Ground that has been continuously shaded often becomes sour and it is necessary before sowing grass seed to give it an application of air slaked lime. Apply air slaked lime at the rate of 25 to 30 lbs. for 500 square feet. Thoroughly stir the surface of the soil before applying the lime; then mix in lime and sow the grass seed as outlined above.

Quantity of grass seed required for new lawns is one pound for each 350 square feet. *Shady Nook* Lawn Grass Seed Mixture, price per lb. 40c; 4 lbs. \$1.50, postpaid. By freight or express, 10 lbs. \$3.50; 20 lbs. \$6.75.

More Suggestions

About Lawns and Lawn-Making

THE ground should be thoroughly drained, and if not naturally rich, fertilizer or manure should be added and thoroughly plowed under or mixed in before sowing.

Galloway's Lawn Life is one of the best lawn fertilizers for this purpose. From 400 to 500 lbs. per acre is usually sufficient. For small lawn plots, about 25 lbs. to every 400 square feet will be enough.

When seeding new lawns work the soil up thoroughly until it is perfectly pulverized leaving the surface smooth and graded up to the point you desire. It is necessary that the top soil be alike in quality so the lawn will be even in its growth.

If the first growth of grass is rolled down with a heavy hand roller it will come up much thicker than if cut and left to grow. Two blades will come up to every one rolled in. Don't be afraid of the roller.

Seeding is best done in the spring or fall. If done during the summer careful and proper watering will bring success.

Old lawns can be greatly improved and renewed if lightly top dressed with well rotted stable manure, or Galloway Lawn Life; then gone over lightly with about enough good rich clean soil to half cover the ground, into which you can work our Shady Nook or Royal Parks mixture with splendid success.

White Dutch Clover

762—Galloway's Extra Special Selected Seed

OUR quality of White Dutch Clover seed is used largely with grass seed for lawns. It spreads very rapidly and acts as a binder. It is very hardy and is of great value in permanent pastures, as it affords a nutritious forage for sheep, cattle and swine. Everyone who keeps bees should have a patch of White Dutch Clover, the blossoms of which the bees will work in as long as there is any bloom. Price large pkt. 10c; 1 lb. 60c; postpaid.

*Do not overlook "Nitragin" when Growing Clover.
This inoculator insures a perfect stand.*

Royal Parks Lawn Mixture

760 A Perfect Mixture of Dwarf Growing Ever-green Grasses.

OUR Royal Parks Lawn Grass Seed Mixture is the same as is sown on the Royal Parks of Europe. It produces the most beautiful lawns. Mr. Hall, our seed expert, has compounded this Royal Parks Mixture for us for years, and the lawns it produces are admired and envied everywhere. Royal Parks is ready to mow and roll four weeks from sowing. Price per lb. 35c; 4 lbs. \$1.35; postpaid. By freight or express, 10 lbs. \$3.00; 20 lbs. (1 bushel) \$5.50.

Special Wear Well Mixture

761 For the Hardest Wear.

THIS is the ideal seed to sow down for golf course, putting green, tennis court, bowling green, croquet and football grounds. Galloway's Special Wear Well Mixture will prove ideal wherever heavy wear is demanded of any turf, if given good care. It produces a tough, strong turf, which can only be killed out by drought in golf course, tennis court, croquet and other sporting grounds. It is especially valuable for park use where visitors walk over the greensward. Price per lb. 30c; 4 lbs. \$1.10, postpaid. By freight or express, 10 lbs. \$2.50, 20 lbs. \$4.75.



White Dutch Clover



Retains
Crispness
After
Maturity

The New Saxa Radish

621 Extra Early—Short Top—Crisp and Sweet.

THE new Saxa Radish we believe to be the very best short top scarlet globe radish offered to gardeners today. It has all the desirable qualities to recommend it to both the home gardener and the market gardener. Splendid color, the flesh is perfectly white, and is delightfully crisp and palatable. The new Saxa retains its crispness long after maturity, making it a splendid radish for the early market. It can be successfully grown under glass or in the open, and is sure to become a favorite wherever tried. Our seed has been saved from transplanted and selected roots by our Michigan growers.

Matures in 17 to 20 Days

IT matures as quickly as the rapid growing button and oliveshaped seventeen to twenty day radishes, although some growers report it matures in a shorter time than this. No matter what other radishes you plant this spring, no matter what your favorite radish is, include a packet of the new Saxa radish in your order, and test it for yourself. You will see that we have not spoken too highly of it. Its firm white flesh is mildly pungent in flavor. To try it is to like it. **Price large pkt. 10c; 1 oz. 20c; postpaid.**

Howling Mob Sweet Corn

374 Gets Its Name Because of the Demand for It on the (Toledo) Market Near Which It Was Originated.

THIS splendid new corn has attracted much attention and is greatly in demand wherever it is offered on the market. This variety originated at Toledo, Ohio, and was first put on the market there, and its queer but appropriate name has reference to the loud and clamorous demand for the corn by those who learned what it was and where they could get it.

The Longest Eared Extra Early Sweet Corn

IT is the longest eared, extra early sweet corn in existence; grains are a beautiful pearly white, and exceptionally sweet—just the kind of sweet corn to plant in the home garden. It is also a good market variety on account of its handsome appearance. It is the ideal sweet corn for producing large ears early in the season at the same time maintaining the splendid table qualities of late varieties.

Two Ears Per Stalk



Extra Early

It is a vigorous grower, and produces two large ears to the stalk, the stalks averaging about 5 ft. in height, and the ears run about 8 inches in length and have 12 to 14 rows of good sized grains. Plenty of husk covers the top and affords ample protection from worms which attack most early sweet corn. **Price large pkt., 10c; 1 lb. 35c; ½ lb. 20c; postpaid.**

Copenhagen Market

The Earliest Summer Cabbage

301

ABSOLUTELY the earliest and the very best round-headed summer cabbage grown. When sown in March, the heads are ready for cutting in July—only three to four days later than the Early Wakefields. The plants are short-stemmed of compact stocky growth and the rather small and tightly folded outer leaves enclose a large, solid, ball-shaped head of the finest quality, smooth with fine veins and small core, and averaging 8 to 10 lbs. in weight. Can be planted close, about 20 inches apart, and will yield a greater crop per acre than many other cabbages. In uniformity of type it is marvelous. Its evenness in maturing is one of the greatest importance to market gardeners, entailing less labor in harvesting the crop and allowing them to clear the ground at one cutting. Price large pkt. 10c; 1 oz. \$1.00; $\frac{1}{4}$ lb. \$3.75; postpaid.



We Import This
Seed Direct from
Copenhagen,
Denmark

Early Fortune Cucumber

388 An Improvement on the Older Varieties—Include It in Your 1918 Order

WE want every customer to plant a few hills of this fine cucumber. Being head and shoulders above many of the old varieties, we know they will be pleased, both by the quality and productiveness, either as a pickler or slicer. Read what raisers say about it:

"This splendid new cucumber was discovered by us on our seed farm occurring as a sport in a field of a later variety. It immediately attracted attention on account of the uniformity of its fruit, its rich dark green color, its earliness and distinctiveness from any other known sort.

"A rigid selection was made over a number of years, until it now grows with such uniformity that each fruit in a large planting will scarcely differ from its neighbor.

"The vine is exceedingly productive and distinguished by its vigorous growth, having leaves which are but a little larger than ordinary varieties, with a thick leaf texture which renders it less susceptible to plant diseases. For season it will compare favorably with any variety of White Spine, while in other characteristics it surpasses them all.

"The fruits when matured to the slicing stage are uniformly 7 $\frac{1}{2}$ to 8 in. in length, slightly tapering toward each end, and in outline an almost perfect circle, showing none of the depressions so characteristic of other types.



Early
Fortune
Cucumber

"Positively is not bitter in flavor. A cross section will show a very thick flesh which is firm, yet crisp, with an exceedingly small seed cavity. In color, a very rich dark green (as dark as Davis' Perfect or Klondyke) and this color does not fade to a light, washy green, as do so many varieties when shipped a long distance." The Early Fortune is the best market and shipping cucumber, a splendid pickler, pickling sizes showing wonderful uniformity. Price large pkt. 10c; 1 oz. 20c; postpaid.



Prosperity or Gradus Garden Pea



"The garden seeds I purchased from you are fine. I tested them out with some other seeds from another firm and I got 50% better results."

Samuel J. Short,
360 Parkdale Ave.,
Buffalo, N. Y.

"I received the seeds last night. Please accept thanks for your promptness in sending them, and I also thank you for the present of seeds. I have sent to you for three years for seeds, and they have all grown that we planted. They are very nice seeds, and I recommend your company to everyone."

Mrs. L. L. Hamlin, Brooks, Maine, Route 3.

"I know just what your seeds are by using them last year, so will not have to try them out this year. The seeds I bought of you last year are just what you claim them to be."

William Jefferson,
New Haven, Conn.

Nitragin for Garden Peas

Means you will get a more robust vine, a heavier crop and make this legume enrich the soil in which it is used. Once tried on garden peas and beans you will always use it. It pays for itself ten times over. It is not an expense, but a necessary investment for the best results. Include "Nitragin" with every order of peas, beans or other legumes (legumes are plants which bear their seed in pods, they all take nitrogen from the air and deposit it in the soil, thus storing away plant food). Price, garden size, for all varieties garden peas, 35c postpaid.





Imported
Danish Perfection
Cauliflower

263 Dwarf Erfurt Type

OUR earliest and best cauliflower. It is the result of many years' efforts to breed a very early variety of cauliflower of the dwarf Erfurt type. It is about ten days earlier than our Dwarf Erfurt and Snowball. The plants are grown quite low with small leaves and the medium size heads are pure white, stone hard, and of the finest quality. It is true to type, its evenness in maturing being its great recommendation to market gardeners, as they will be able to clear off the ground at one cutting.

The Danish Perfection Cauliflower is a favorite in every private garden where tried. No garden should be without it. Buy this seed early. Price large pkt. 20c; $\frac{1}{4}$ oz. 70c; 1 oz. \$2.50, postpaid.

Honey Dew Muskmelon

462 The Sweetest and Finest Flavored of All

THE sensation of the melon world. This green-fleshed melon is unlike any other variety ever originated. It is supreme among melons of its size for flavor, meatiness, keeping qualities, and its ability to capture the late small melon market. Should be started early, transplanted after danger of frost, and thoroughly cultivated. Requires longer time for maturity than the average muskmelon.

The rind of the Honey Dew when matured is a greenish yellow without netting of any form. It is almost round in shape though longer than it is deep and is from eight to ten inches in diameter. Its green flesh is thick and sweet, of a peculiar pleasing flavor, and very juicy—from which peculiarities this melon gets its name. The flavor of this melon is best when it is well ripened. When it drops from the vine, store it away in a cool place for about a week before serving. The surface of the rind is sometimes dotted with little roughnesses, but very thin, tough and firm, and hard to scratch or bruise, which accounts for its wonderful keeping qualities. Price large pkt. 10c; 2 pkts. 15c; 1 oz. 30c, postpaid.

Casey, Iowa,

February 1, 1917.

"Say, those Giant Montreal Muskmelons were just great. I never raised a large melon that sold like the Montreal. The Banana Cantaloupes were winners amongst my customers until the Osage came on, and then they all took off their hats to me. I never saw anything like the Osage. Great melons, great flavor, and the best seller I ever raised."

Millon E. Spain.





French Imported

Golden Self-Blanching Celery ★

397 Our Customers Get French Imported Seed Only In Ordering This Self-Blanching Celery

THIS celery originated in France and has become the leading variety in America for all purposes. The quality is the very best, solid, tender, crisp, with a soft golden yellow color. The flavor is delicious, crisp and nutty. In habit it is dwarf, stocky, uniform in height and very compact; entirely free from stringiness. We handle only the French grown seed raised by one of the best known celery seed growers. We honestly believe there is no better stock anywhere and that under ordinary circumstances the seed will give every grower perfect satisfaction.

The small illustration below shows the celery field of V. W. Foot, one of Iowa's best known market gardeners who has secured this celery seed for years from our stocks. One inspection of this photo will convince you that he is a satisfied user of Galloway Bros. & Company Star Quality celery seed. Price of French Imported Golden Self-Blanching Celery seed, large pkt. 10c; 1 oz. \$1; $\frac{1}{4}$ lb. \$4.; postpaid.

January 2, 1917.

I bought seeds from you last year and they were the best I ever planted. Therefore, I expect to order from you again.

Mr. Paul M. Lehman, Berwyn, Maryland.



Ideal Yellow Globe Onion ★

490—Best Combination Home And Market Onion
IN offering the Ideal Yellow Globe Onion to our customers we believe it the best onion for market and home use ever offered to planters and gardeners. When the originators persuaded us to inspect these onions, we at once decided to secure as much seed as possible, as we were confident our customers would be more than pleased with it because it possessed all the good points necessary to make it an ideal onion; good size, good shipper, excellent keeper, and has perfect flavor. The originator and grower says of this onion:

"A selection from Southport Yellow Globe grown and improved by a gardener since 1887, who has made selections each year for thick skins and uniformity in shape. This onion is the most uniform in shape of any of the Yellow Globe varieties; a good cropper, a splendid keeper, and is as its name implies, an Ideal Yellow Globe Onion. We consider it the best thing in the Yellow Globe variety we have ever seen, and the photograph shows the type." Price large pkt. 10c; 1 oz. 50c; $\frac{1}{4}$ lb. \$1.50; $\frac{1}{2}$ lb. \$2.45; 1 lb. \$5.00, postpaid.





Dairyman's Pride Mangel Wurzel

22 Sweet — Yellow Fleshed — Long Keeping — Heavy Yielding—Milk Producing

We sell many thousands of pounds of Mangel Wurzel seed every year and our customers are all delighted with the produce of same. Some of our customers write us that they have made yields as high as 70 tons to the acre. We have known cases where 100 and even as high as 110 tons of Mangel Wurzels were raised on one acre. Every dairy farmer should raise at least one or two acres of this fine milk and flesh producing feed. All kinds of stock relish and thrive on it. Can be fed without the slightest risk. They should be chopped up and fed as a part ration. Mangel Wurzels are always best after they have been given sufficient time to ripen. This is usually two or three weeks after gathering. The ripening process for the most part consists in a change of starch into sugar and makes the Mangels both more healthful and more nutritious.

It has size, productivity, quality. It produces beautifully uniform roots of a rich golden color. The flesh is a nice pale yellow and sweet. We feel confident that this exceptionally fine Mangel will be greatly in demand by dairymen all over the United States. Price per lb. \$1.00 postpaid; 6 lbs. (sufficient for one acre) \$5.50 by express or freight.

October 24, 1917

Just a line to praise your seed, which I bought of you this spring. The Sweet Potato Squash is the finest I ever saw; and all the other seed, such as corn and other seed; they all proved to be the best I have used yet.

W. A. Howe,
St. Johnsville, New York.



Galloway's New Sweet Potato Squash

23 Delicious Novelty Squash, Long Keeper

THE smallest but most delicious squash. We wish we could persuade every one of our customers to purchase a packet of this wonderful new squash, because we know that every one that grows it will be just delighted with it. It will be the gem of the garden during the 1918 growing season.

This little squash grows about 6 and 8 inches long, and is about 6 inches around. The plants are inclined to be bushy rather than trailing, and bear quite a large number of fruits, which are distinctly ornamental owing to the variety of coloring of the skin which is rich yellow, prettily marked with deep and pale green. The flesh is unlike that of any other squash, being decidedly superior in every way.

It has the flavor of the sweet potato, but is a little sweeter and has a golden colored flesh. The seed cavity is unusually small, so there is practically no waste. One advantage about this little squash is the fact that it meets the requirements of families of all sizes. With the old type of squash, there is usually quite a lot of waste, due to the fact that the fruits are too large for the family consumption at one time.

Our Long Keeper Sweet Potato Squash can be made to meet the requirements of any size family, without an ounce of waste, by simply using just the number of fruits needed; usually one of our squash will be found sufficient for two persons.

We feel real pride in being able to offer this novelty to our customers, because it has real merit and will give satisfaction everywhere. It is weeks earlier than any other squash, and can be harvested long before the early frosts. As a keeper it has no equal. Fruits

we carried over from 1915 harvest were in fine condition in the spring of 1916.

Our seed of this new squash is limited. Get your order in early. Don't miss this opportunity to get something that is unusually good and will be a real treat to the entire family. Price large pkt. 15c; 2 pkts. 25c; 1 oz., 35c, postpaid.

"Just a line to praise your seed, which I bought of you this spring. The Sweet Potato Squash is the finest I ever saw; and all the other seed, such as corn and other seed; they all proved to be the best I have used yet."

W. A. Howe,
St. Johnsville,
New York.

ORDER
EARLY



Galloway's First and Best Cauliflower

35 An Extra Early Variety for the Home Garden ★

OUR First and Best cauliflower is sure to make a host of friends on account of its exceptional earliness and fine quality. The heads are solid, snow white and of good size. It is fully ten days earlier than Snowball, and, in our gardens, a better cropper. The leaves protect the heads from the hot summer sun insuring good snow white heads at the time of cutting. This is an important thing for market gardeners, as buyers always prefer cauliflower of good clean appearance. Our seed of this new cauliflower was raised for us by the best cauliflower grower in Copenhagen, Denmark, and he assures us that First and Best is the triumph of many years of effort to breed a high class, extra early, solid headed cauliflower of nice uniform size. Be sure to include a packet in your seed order and see how different they are to those you have previously grown. **Price, large pkt. 15c; $\frac{1}{4}$ oz. 80c; 1 oz. \$3.00, postpaid.**

Galloway's Orange Prince Carrot ★

40 An Exceptional Carrot for Creaming

A SPLENDID carrot for table use. The roots grow very regular and smooth, about the same length as the well known Danvers variety, but much earlier. In color it is a beautiful orange red; the flesh is fine-grained sweet and sugary, and remains firm and brittle a long time after pulling.

It is an exceptionally heavy cropper. Orange Prince grows very uniform and is free from coarseness; consequently, an excellent variety for bunching which makes it a good seller on any market. Its handsome color and delicious flavor places it alike in good favor with the market and home gardener. It is the cook's favorite for creaming.

Price, large pkt., 10c; 1 oz., 20c; $\frac{1}{4}$ lb., 70c; 1 lb., \$2.50, postpaid.

Galloway's New Dwarf or Bush Wax Bean Defiance ★

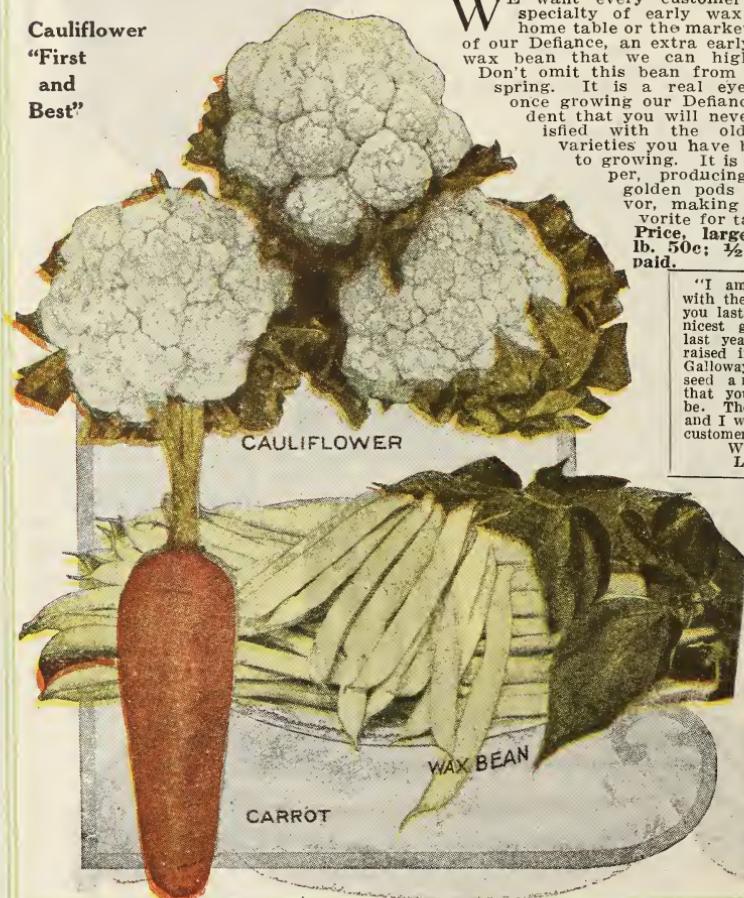
45

WE want every customer who makes a specialty of early wax beans for the home table or the market to try a packet of our Defiance, an extra early dwarf or bush wax bean that we can highly recommend. Don't omit this bean from your order this spring. It is a real eye-opener. After once growing our Defiance we feel confident that you will never again be satisfied with the old out of date varieties you have been accustomed to growing. It is a splendid crop, producing long, smooth, golden pods of splendid flavor, making it a prime favorite for table and market. **Price, large pkt. 20c; 1 lb. 50c; $\frac{1}{2}$ lb. 30c; postpaid.**

"I am well pleased with the seed I got from you last year. I had the nicest garden vegetables last year that I ever raised in my life. Mr. Galloway, I like your seed and they are all that you claim them to be. They are good seed and I will always be your customer."

W. R. OTTO,
Little Plymouth.

Cauliflower
"First
and
Best"



January 26,
1917.

I ordered seed from you last year, and was so well satisfied with the seed that I intend to order my seed from you again this year.

Mrs. Melvin
Anderson,
Neosho, Mo.

Galloway's Hoodoo Muskmelon

Deep Orange Fleshed—Very Sweet Grained



53
THE flesh of the Hoodoo Muskmelon is fine grained and sweet, deep orange in color and extremely thick, with a very small seed cavity. Fruits are nearly round in shape and about the size of the Rockyford.

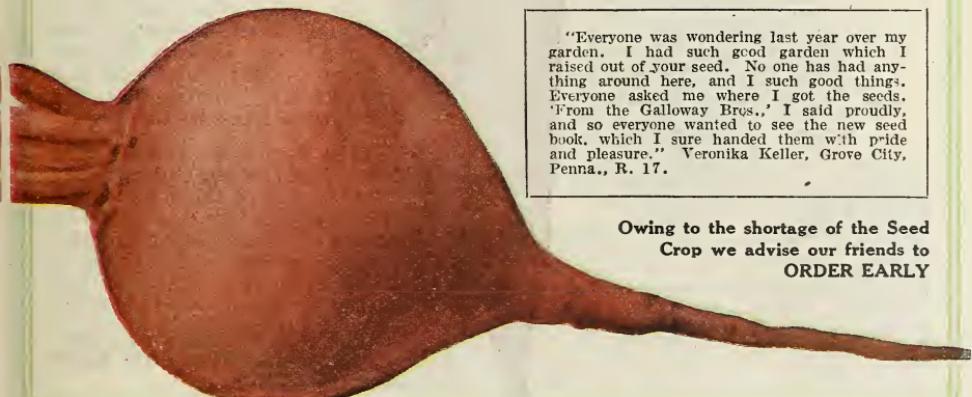
The Hoodoo is a splendid melon for the market and hotel trade. As a shipper it cannot be surpassed. It is a wonderfully prolific sort of muskmelon, and a great favorite wherever introduced and thoroughly tried. We cannot recommend it too highly. Price large pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 75c; 1 lb. \$2.50, postpaid.

Galloway's Abundance Beet

80 Rich Red Color—Fine Fleshed—Splendid Winter Keeper—The Record-Breaking Beet of our Trial Grounds

THIS new round beet, Abundance, is becoming a great favorite with many beet growers. For slicing, canning or the market, Abundance stands without a rival. It is not a large coarse root, as many so-called table beets are, but is a medium size, nearly round, smooth, dark crimson root with practically no core. The flesh is a deep rich crimson and is sweet and crisp, and retains its color when cooked. We believe it is an ideal all-season beet. Sow plenty of Abundance seeds, for when you pull them quite small and cook them whole the family will want more and more of this sweet flavored whole-beet.

Abundance is ideal for bunching for the market; they grow very uniform in size, being as much alike as peas and are unusually clean, having little or no rootage. The tap roots are small, which makes them easy to harvest. Abundance beets are ready to pull about eight weeks from time of sowing. By all means include a packet or more of Abundance in your seed order. They will certainly please you. Price large pkt. 10c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c, postpaid.



"Everyone was wondering last year over my garden. I had such good garden which I raised out of your seed. No one has had anything around here, and I such good things. Everyone asked me where I got the seeds. 'From the Galloway Bros.', I said proudly, and so everyone wanted to see the new seed book, which I sure handed them with pride and pleasure." Veronika Keller, Grove City, Penna., R. 17.

Owing to the shortage of the Seed Crop we advise our friends to ORDER EARLY



Testimonial

"Now I must tell you the result of my seed which I got from you last spring. They were much better than any of my neighbors'. One of my friends bought her seed at a 5 and 10 cent store, and I gave her some of the seed I had left from last year, and she saw so much difference from seeds she bought, that she promises next spring she will send to you for all she needs; for as much as I can, I praise your seeds to my neighbors." Mrs. Eilfred Grimord, 11 Maple Ave., Salem, Mass.

In ordering kindly specify second choice. To make sure of getting what you want, please ORDER EARLY.

Galloway's Dandy Cucumber

81 Extra Early—Cool and Crisp—Very Prolific—Bears the Whole Season

WE have said time and again that Galloway's Dandy Cucumber was the acme of perfection. For years we looked for a cucumber that we could call Dandy, and after careful experiments on our seed trial grounds, have at last found one that we are confident will please our many thousands of customers throughout the United States. It is neither long nor short, but just right in size—a nice medium cucumber that can be used either for slicing or pickling. Its flesh is solid and crisp; its fruit presents an appearance that is bound to attract your attention immediately. The vines are strong growers, vigorous and very prolific in bearing. A few plants of this splendid cucumber are sufficient for the needs of a fair sized family. Be sure and include a packet of Galloway's Dandy Cucumber in your order this spring. Price large pkt. 10c; 2 pkts. 15c; 1 oz. 20c; $\frac{1}{4}$ lb. 50c, postpaid.



Galloway's Little Wonder Carrot

83 A Small Type of Highly Flavored Carrot for Private Gardens

WE honestly believe that Galloway's Little Wonder Carrot is a perfect variety for table use. It is not a long variety of carrot like James Scarlet Intermediate, nor short like Guerande or Oxheart, but a medium root after the type of Early Nantes, but decidedly less coarse; very smooth skinned, therefore, easy to wash, and the sort of carrot that the housewife likes to handle.

The flesh is crisp, fine-grained and sweet, and the early maturity makes them fit to pull a few weeks after sowing. Little Wonder is an ideal carrot for the home garden. Our seed is specially imported for us by one of the best known French growers.

Price large pkt. 10c; 2 pkts. 15c; 1 oz. 25c; $\frac{1}{4}$ lb. 70c; 1 lb. \$2.50 postpaid.



Extra Early Improved Golden Wax Bean

249 A Dwarf or Bush Bean with Productiveness, Earliness, Beauty, Tenderness and Flavor.

THIS is a dwarf or bush bean combining earliness, tenderness and flavor with exceeding productiveness and ability to withstand plant diseases affecting this type of legumes. Not only is the Improved Golden Wax more prolific than many others, but is also more fleshy and matures earlier. A batch of Improved Golden Wax grown on our seed farm excited much favorable comment from all who inspected them. The plants were bushy and very prolific bearers. The pods will run from 5 to 6 inches in length and are borne in heavy clusters. If you want a bean for home use or market do not leave Improved Golden Wax out of your seed order this spring. Price, large pkt. 10c; 1 lb. 45c; $\frac{1}{2}$ lb. 25c; postpaid.

Galloway's Black Chief Egg Plant

49 An Improvement Over the Old Purple Type.

THIS variety of egg plant, Galloway's Black Chief, is a decided improvement over the old purple types of this vegetable. It is earlier and more productive; the fruits are very handsome and a rich lustrous purple black color. Gardeners tell us they prefer Black Chief to any other variety they have ever tried.

It is in every way distinct among egg plants and certain to become a favorite wherever tried. The plants are unusually healthy and vigorous growers. The variety is entirely spineless. Try a packet. Price, large pkt. 10c; 1 oz. 50c; postpaid.

Galloway's Country Gentleman Sweet Corn

52 The Peer of All Late Corns.

AMILKY kerneled, early, white, tender, productive corn. This is undoubtedly the best known late sweet corn known to truckers and gardeners. It has a delicious flavor, is luscious, tender and milky, and remains in the milk longer, it is said, than many other varieties of sweet corn. Ears average under favorable conditions about 8 $\frac{1}{2}$ inches long.

Country Gentleman Sweet Corn is a luxury among food necessities and within the reach of all gardeners. The kernels are deep and the cob small. Country Gentleman is a splendid main crop variety. Price, large pkt., 10c; 1 lb. 35c; $\frac{1}{2}$ lb. 20c; postpaid.

Extra Early Sunrise Sweet Corn

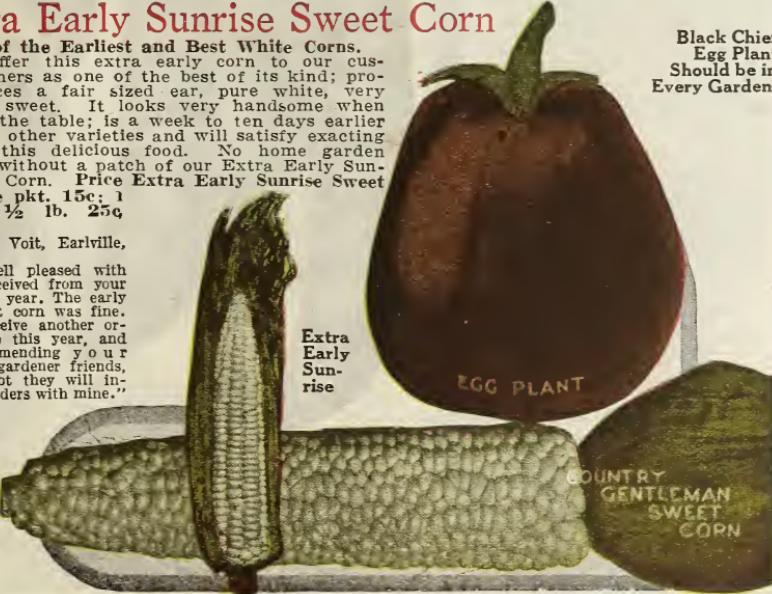
51 One of the Earliest and Best White Corns.

WE offer this extra early corn to our customers as one of the best of its kind; produces a fair sized ear, pure white, very juicy and sweet. It looks very handsome when served on the table; is a week to ten days earlier than many other varieties and will satisfy exacting lovers of this delicious food. No home garden should be without a patch of our Extra Early Sunrise Sweet Corn. Price Extra Early Sunrise Sweet Corn, large pkt. 15c; 1 lb. 40c; $\frac{1}{2}$ lb. 25c postpaid.

Mr. Albert Voit, Earlville, Iowa, says:

"I was well pleased with the seeds received from your company last year. The early Sunrise sweet corn was fine. You will receive another order from me this year, and I am recommending your seeds to my gardener friends, and no doubt they will include their orders with mine."

Black Chief
Egg Plant
Should be in
Every Garden.



A shortage
of seeds
means
ORDER
EARLY
to get vari-
eties you
want.

Galloway's New Langport Pea

70

A Vigorous Grower,
Abundant Bearer, Pods
of Excellent Length,
Filled with Delicious

Peas

HERE is the best pea ever originated by the celebrated garden pea experts, Kelway & Son, Langport, England. The vines are strong and vigorous and bear an abundance of pods of exceptional length which are filled with delicious peas. These handsome peas are much larger than ordinary garden peas, and present a handsome appearance when served upon the table. Here is what the originators of this celebrated pea say about it:

"It is a genuine novelty, the result of a successful pedigree cross between well known varieties, and gives us a wrinkled marrow-fat pea superior to, and longer podded than the splendid pea Alderman; is in season at the end of the second early peas. It is first rate in robustness, habit and color, and a superior cropper, a stout grower, with a dark green pod about four and one-half inches long, some inclined to be curved, with seven to eleven large extra sweet peas per pod. Splendid for exhibition, a heavy cropper, grows about four feet high, guaranteed perfectly distinct, highly recommended for garden and market. Try them and you will always include Langport with your order.

Price, large pkt., 10c; 1 lb., 50c; ½ lb., 30c (postpaid).

June 22, 1917.
I write this letter to let you know how my garden is getting along with the seed I received from you. Everything does very well, especially the lettuce, "Pride of Iowa." Some of them measure one foot across and weigh one pound. Your "Little Gem" beets are all beauties. We have some "Langport" peas, and some of the pods measure six and seven inches. The beans are just fine, and the flower seeds the same way. Mr. August Wautlelet, Orma, Kansas, Box 75.

Fairbury, Nebraska, October 13, 1917.
I wish to say that I sent you an order for garden seeds in the spring, and was well pleased with them. I had a fine garden.
Mrs. H. N. Darrom, Route 1.

Topaz, Michigan, January 5, 1917.
We have been very well satisfied with vegetables grown from seed secured from you, so we would like to get your new catalog.
Mr. Chas. Barta, Box 11.

A Big
Sweet
Flavored
Pea—
Something
New



**Nitragin for
Garden Peas**

Means you will get a more robust vine, a heavier crop and make this legume enrich the soil in which it is used. Once tried on garden peas and beans you will always use it. It pays for itself ten times over. It is not an expense, but a necessary investment for the best results. Include "Nitragin" with every order of peas, beans or other legumes (legumes are plants which bear their seed in pods, they take nitrogen from the air and deposit it in the soil, thus storing away plant food). Price garden size, for all varieties garden peas, 35c (postpaid).



How to Raise Fine Tomatoes

To raise nice, smooth, round tomatoes you must first get pure seed of the kind you want. Galloway's Porterhouse is a good all-around table crop tomato. Sow the seed in a hot bed or start them under glass. After the plants are up almost 2 inches, transplant them in pots. Then after they are a few inches high, put them in a temperature of from 50 to 55 degrees to get them thoroughly hardened before setting them out. In this way the shock of putting them out in the garden soil will not set them back. After they are old enough to blossom, pinch off the first blossoms, and pinch off some of the leaves, because this makes the plant more vigorous and the second blossoms are the ones that produce the finest fruit. For fertilizer use only well rotted stable manure. Don't just set them out without care, but give thorough cultivation and plenty of moisture, if the season is dry, and the result will be smooth, well-shaped, luscious fruit.

Should be in every garden, large or small

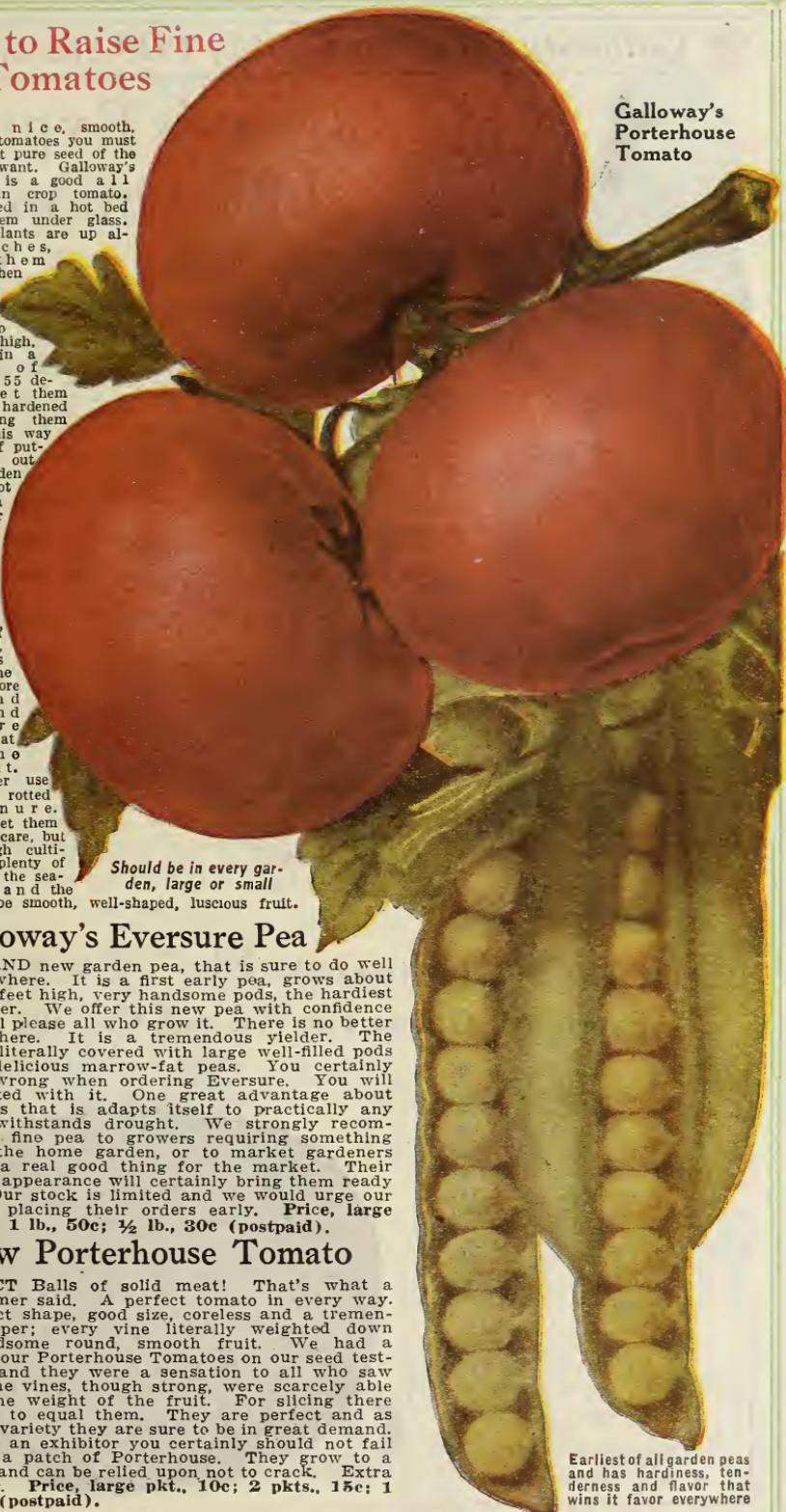
Galloway's
Porterhouse
Tomato

79 Galloway's Eversure Pea

A GRAND new garden pea, that is sure to do well anywhere. It is a first early pea, grows about two feet high, very handsome pods, the hardiest pea we offer. We offer this new pea with confidence that it will please all who grow it. There is no better pea anywhere. It is a tremendous yielder. The vines are literally covered with large well-filled pods of most delicious marrow-fat peas. You certainly can't go wrong when ordering Eversure. You will be delighted with it. One great advantage about this pea is that it adapts itself to practically any soil and withstands drought. We strongly recommend this fine pea to growers requiring something good for the home garden, or to market gardeners requiring a real good thing for the market. Their handsome appearance will certainly bring them ready buyers. Our stock is limited and we would urge our customers placing their orders early. Price, large pkt., 10c; 1 lb., 50c; $\frac{1}{2}$ lb., 30c (postpaid).

78 New Porterhouse Tomato

PERFECT Balls of solid meat! That's what a customer said. A perfect tomato in every way. Perfect shape, good size, coreless and a tremendous cropper; every vine literally weighted down with handsome round, smooth fruit. We had a fine lot of our Porterhouse Tomatoes on our seed testing farm and they were a sensation to all who saw them. The vines, though strong, were scarcely able to bear the weight of the fruit. For slicing there is nothing to equal them. They are perfect and as a canning variety they are sure to be in great demand. If you are an exhibitor you certainly should not fail to put in a patch of Porterhouse. They grow to a great size and can be relied upon not to crack. Extra fine flavor. Price, large pkt., 10c; 2 pkts., 15c; 1 oz., 50c (postpaid).



Earliest of all garden peas and has hardiness, tenderness and flavor that wins it favor everywhere



Galloway's Express Globe Onion

Red

White

Yellow

58

WE claim for the Galloway Express Globe Onions that they are the earliest offered by anyone. Seed sown in early spring will develop nice marketable onions about two weeks earlier than any other kind. The bulbs are large, perfectly globe shaped, and ripen down very evenly. They seldom show any tendency to neck—a bad feature with some varieties; very mild flavored, fine, firm in flesh and excellent keepers, making an ideal onion for market gardeners and shippers, as well as home use. Our Express Globe Onions produce very even crops, all nice clean bulbs, of even size and good appearance. One ounce of our Express Globe Onion seed will sow 300 ft. of drill. When sowing your seed, press down the seed rows firmly. Onion seed always germinates better when the soil is firmly packed.

Galloway's Express Globe Red Onion, large pkt. 10c; 1 oz. 30c; $\frac{1}{4}$ lb. \$1.00; 1 lb. \$3.50.

Galloway's Express Globe Yellow Onion, large pkt. 10c; 1 oz. 35c; $\frac{1}{4}$ lb. \$1.20; 1 lb. \$4.00.

Galloway's Express Globe White Onion, large pkt. 10c; 1 oz. 40c; $\frac{1}{4}$ lb. \$1.30; 1 lb. \$5.00.

Winamac, Indiana, January 6, 1917.

I have been perfectly satisfied with the seeds I received from you last summer. Therefore I would kindly ask for the coming catalogue, as I would like to get my seed earlier.

Mrs. J. Rydwelski, Route No. 6, Box 70.

Ozawkie, Kansas, January 27, 1917.

Had great success with your onion seed. I bought from you last year and a very dry season too.

Rev. S. A. Rauch.

Saegerstown, Penna., December 28, 1916.

Two years ago I used your garden seeds; all proved good. Last year I trusted to other seed; not good. Garden and a few flower seeds is what I want.

Mr. L. B. May, Route No. 2, Box 95.

Mother's "Famous Pie" Pumpkin Excels All Others For Pies and Canning

57

EVEN the smallest garden should contain a few hills of this delicious Mother's Pie Pumpkin. Plant a few hills this year among the sweet corn. When planted this way they require no extra ground. Mother's Famous Pie Pumpkin is just the size for the home garden, averaging in weight about 10 lbs. Skin and flesh is a rich deep orange yellow; very fine grained and sweet; cooks up splendidly, and free from stringiness. It is a prolific yielder.

Plant a few hills in your sweet corn rows. These two favorites go well and grow well together. Price, large pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 35c; $\frac{1}{2}$ lb. 60c; 1 lb. \$1.00, postpaid.



Unionville, Mo.,
January 1, 1917.

We are proud of the way your seeds grew last year.

Mr. W. F. Wymore.

New Virginia, Iowa.,
January 3, 1917.

I received seeds from you two years and they are fine.

Mr. A. C. Cunningham, Box 115.

Asparagus

Early Market Giant ★

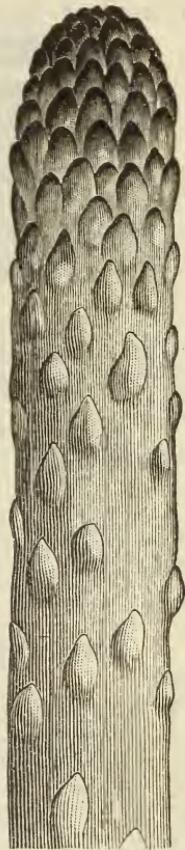
201

WE are very pleased to be able to offer our customers, seeds of this exceptionally fine Asparagus. It is an ideal kind for market gardeners, and is quite a year ahead of some of the older varieties in maturing, and is disease resistant; producing fine white delicious sticks which are tipped with pale purple. Price, large pkt., 10c; 2 pkts., 15c; 1 oz., 30c (postpaid).

202

Bonavelett's Giant ★

THE earliest and best of all Asparagus. They come into bearing fully a year in advance of all the older varieties, one year old plants being quite as sturdy as two year old plants of the older varieties. It is generally supposed that Asparagus is hard to grow, but this is a mistake. The seed should be soaked in lukewarm water for about 12 hours before sowing; this will assist the germination. Price, large pkt., 5c; 2 pkts., 8c; 1 oz., 15c (postpaid).



Beets

223

Eclipse

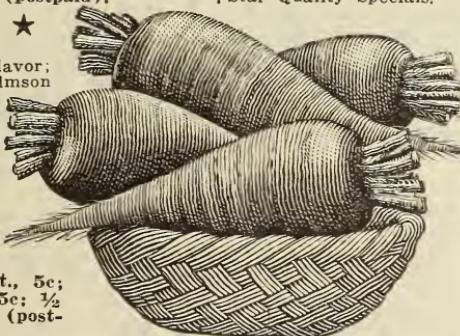
VERY early. Especially desirable for home garden or market use. Tops small; roots deep red; smooth; flesh, bright red zoned with a lighter color. Price, large pkt., 5c; 1 oz., 15c; 1/4 lb., 45c; 1/2 lb., 80c; 1 lb., \$1.50 (postpaid).

SO ABUNDANCE*. See page 19. This is the one beet that we recommend. True to the description of it among our Star Quality Specials.

226

Perfection ★

RICH in color and flavor; is a deep crimson through and through and of a perfect shape; an ideal beet for pickling. We have tried these beets on our experimental farm, and unhesitatingly recommend them as the very best for all purposes. They are unsurpassed in quality. Price, large pkt., 5c; 1 oz., 15c; 1/4 lb., 45c; 1/2 lb., 80c; 1 lb., \$1.50 (postpaid).



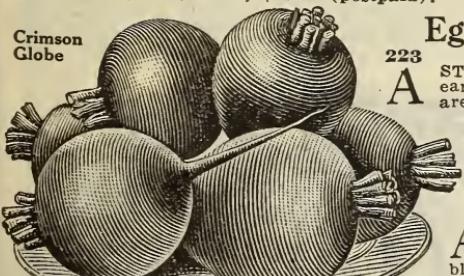
Long Smooth Blood

Galloway's Crimson Globe ★

224

ONE of the best of the dark fleshed globe shaped beets for general use. This stock is specially selected for us by one of the leading growers, and we are confident it will give entire satisfaction wherever grown. Price, large pkt., 5c; 1 oz., 15c; 1/4 lb., 45c; 1/2 lb., 80c; 1 lb., \$1.50 (postpaid).

Crimson Globe



223

Egyptian Turnip Rooted ★

STANDARD sort of great merit, about a week earlier than the old blood turnip variety. Roots are a nice, rich, crimson; tap roots very small and clean; a very desirable beet for the market gardener, owing to its early maturity. Price, large pkt., 5c; 1 oz., 15c; 1/4 lb., 45c; 1/2 lb., 80c; 1 lb., \$1.50 (postpaid).

A

225

Black Ball ★

A PERFECTLY round smooth beet. Very early maturing; about the size of a tennis ball; very deep color, almost black; fine flavor. The best beet for salads; does not get stringy. Price, large pkt., 5c; 1 oz., 15c; 1/4 lb., 45c; 1/2 lb., 80c; 1 lb., \$1.50 (postpaid).

Beets

No.	Name	Pkt.	Oz.	1/4 lb.	1/2 lb.	1 lb.
80	Abundance* (See Page 19)	\$0.10	\$0.20	\$0.60	\$1.10	\$2.00
225	Black Ball . . . . .	.05	.15	.45	.80	1.50
224	Crimson Globe . . . . .	.05	.15	.45	.80	1.50
229	Eclipse . . . . .	.05	.15	.45	.80	1.50
223	Egyptian Turnip Rooted . . . . .	.05	.15	.45	.80	1.50
25	Little Gem Pickling . . . . .	.10	.20	.50	.90	1.75
227	Long Smooth Blood . . . . .	.05	.15	.45	.80	1.50
228	Swiss Chard or Spinach Beet . . . . .	.05	.15	.45	.80	1.50
226	Perfection . . . . .	.05	.15	.45	.80	1.50

Dwarf or Bush Varieties on This Page

Plant
More
Beans

Beans

Standards—
Novelties

Wax Pod Dwarf or Bush

Defiance Wax.* Early. This is another of our Star Quality specials and is described on page 18. Also priced below. Look it up before ordering.

Wardwell's Kidney Wax★

250

A VERY hardy and productive variety, bearing an abundance of handsome fleshy pods of the stringless type: a very fine variety for the market. Their handsome pods and rich golden color always attract attention. Price, large pkt., 10c; 1 lb., 45c; $\frac{1}{2}$ lb., 30c, postpaid.

Davis' Kidney Wax

252

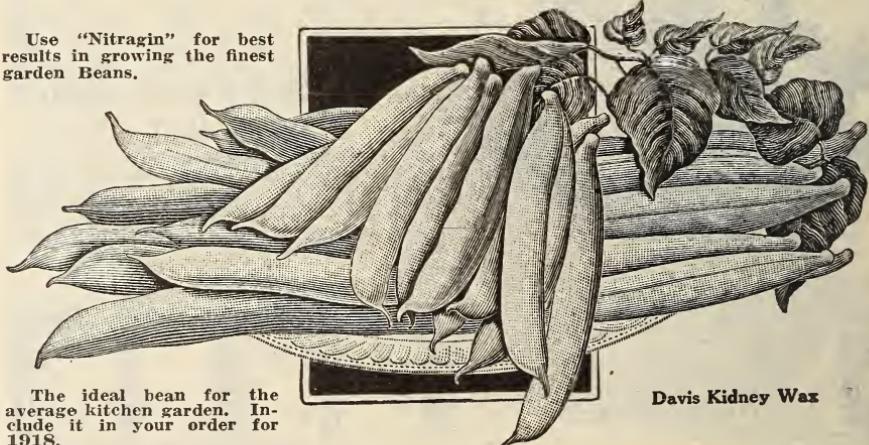
THE demand for this very fine bean was very heavy last season, and in consequence of its very high merit we expect a much heavier demand this season. Bean growers declare it to be one of the very best of the whole dwarf wax bean family. The beans are creamy white and quite rust-proof, very heavy croppers and greatly in demand for canning. Price, large pkt., 10c; 1 lb., 45c; $\frac{1}{2}$ lb., 30c, postpaid.

Currie's Rust-Proof
Black Wax

253

A VERY desirable variety of the stringless type, very early and a fine cropper; bears an abundance of crisp, tender, stringless pods of excellent quality and flavor. Price, large pkt., 10c; 1 lb., 45c; $\frac{1}{2}$ lb., 30c, postpaid.

Use "Nitragin" for best results in growing the finest garden Beans.



The ideal bean for the average kitchen garden. Include it in your order for 1918.

Davis Kidney Wax

Improved Golden Wax ★

Improved Golden Wax.* Main crop. This Golden Wax Bean while not an extra early is one of the best main crop beans and has a longer bearing season than many. Look it up on page 28 among the specials that we offer for 1918.

Green Pod Dwarf
Red Valentine★

242

THIS is one of the best known of the green pod or pickling varieties. It is exceptionally early, pods being ready to pick 35 days after sowing. They are light green and semi-transparent, a very fleshy, crisp and tender bean, seed long, of medium size, a desirable bean for every home garden. Price, large pkt., 10c; 1 lb., 40c; $\frac{1}{2}$ lb., 25c, postpaid.

245 Navy or Boston Pea Bean

THIS seed is more extensively grown than any other for dry beans. Last year the demand exceeded the supply. We have however contracted for a large quantity of this seed to be grown for us and we expect to be able to fill all orders. We would, however, advise our customers to book their orders early as we expect even a greater demand than last year for White Navy beans. Write us for special prices on larger quantities. Price, large pkt., 5c; 1 lb., 25c; $\frac{1}{2}$ lb., 15c, postpaid.

Nitragin for Garden Beans

Means you will get a more robust vine, a heavier crop and make this legume enrich the soil in which it is used. Once tried on garden beans and peas you will always use it. It pays for itself ten times over. It is not an expense, but a necessary investment for the best results. Include "Nitragin" with every order of peas, beans or other legumes. (Legumes are plants which bear their seeds in pods, they all take nitrogen from the air and deposit it in the soil, thus storing away plant food.) Price, garden size, for all varieties garden beans, 35c, postpaid.

Beans (continued)

Green Pod Dwarfs or Bush

Early Yellow Six Weeks

241 *T* produces an abundance of long green flat podded beans ready for the table in six weeks from the time of sowing, and under favorable circumstances in even less time. Owing to its early productiveness this bean can be sown successionaly right up to the fall, and be relied upon to produce an abundant crop right through the season. All the bush beans can be relied upon to prolong their period of productiveness if kept picked close. Price, large pkt., 5c; 1 lb., 40c; $\frac{1}{2}$ lb., 25c postpaid.

Stringless Green Pod

240 *W*e put in a big batch of these on our own Experimental Farm this year and they gave satisfaction. The plants were uniform and tremendous yielders, every plant being weighed down with straight, long, perfectly round, and fleshy beans. Price, large pkt., 5c; 1 lb., 40c; $\frac{1}{2}$ lb., 25c, postpaid.

Early Refugee Green Pod

244 *A*n improvement on the old Refugee Green Pod bean on account of its earliness and dwarf habit of growth, in which respect it is distinct from almost any other variety. It is a good yelder, pods uniformly round and nearly stringless, therefore a favorite with canner and shipper. Price, large pkt., 10c; 1 lb., 40c; $\frac{1}{2}$ lb., 25c, postpaid.

246

*T*HE plant is of sturdy growth, being particularly immune to rust and mildew. It is very hardy, early and prolific and continues to bear for several weeks. The pods are immense in size, rich green, thick broad extra long, solid, meaty, rich, tender, and entirely free from string. Price, large pkt., 10c; 1 lb., 40c; $\frac{1}{2}$ lb., 25c, postpaid.

251

Kentucky Wonder Wax

*T*HIS is the best of all climbing wax beans. It is very similar to the green podded Kentucky Wonder, but the fine long pods are a little broader, very fleshy and quite stringless. Price, large pkt., 10c; 1 lb., 50c; $\frac{1}{2}$ lb., 30c, postpaid.

Improved Kentucky Wonder

243 Also Known as Old Homestead

*T*HIS variety is more used than any other of the green podded pole beans suitable for use as snaps. It is an early prolific sort, with very showy pods which are of very fine quality. The vines are very vigorous and productive, producing pods in large clusters. The pods are light green in color, very long. Very round and crisp. The seed is long oval, dun colored. This probably has a larger sale than any other pole bean. Price, large pkt., 5c; 1 lb., 40c; $\frac{1}{2}$ lb., 25c, postpaid.

Cylinder, Iowa, April 28, 1917.

I want to say a few words in regard to you sending out seeds. I have ordered seeds from other companies before, but never was satisfied with them as I have been with your company, and your seeds. You are more prompt in filling orders too. I am glad I ordered from you instead of some of the companies I have ordered from before.

Mrs. C. O. Taflinger, Route 2.

Cedar Falls, Iowa, July 23, 1917.

As I am sending a little order for seed, I wish to tell you that my order from you last spring, of both field and garden seeds, was the best I ever had; and I am harvesting a fine crop.

Mr. Marius Rhode, 1404 Iowa St.



Climbing or Pole Beans



For Garden Beans

Means you will get a more robust vine, a heavier crop and make this legume enrich the soil in which it is used. Once tried on garden beans and peas you will always use it. It pays for itself ten times over. It is not an expense, but a necessary investment for the best results. Include "Nitragin" with every order of peas, beans or other legumes. (Legumes are plants which bear their seeds in pods, they all take nitrogen from the air and deposit it in the soil, thus storing away plant food.) Price, garden size, for all varieties garden beans, 35c Postpaid.

Lima Beans Varieties You Can Depend on

Henderson's Bush Lima ★

237 **T**HIS is the earliest of all Bush Limas. Grows only 18 inches high and produces an abundance of rich buttery beans. The best for Northwestern States. For earliness and productiveness Henderson's Bush Lima cannot be beaten. They are at least 12 days earlier than any other type of Bush Lima and at least 2 to 3 weeks earlier than Pole Limas. This enables them to be grown in many sections of the country where the seasons are too short for other Limas. Price, large pkt., 5c; 1 lb., 45c; $\frac{1}{2}$ lb., 25c postpaid.

Burpee's Improved Bush Lima ★

238 **T**HIS is the best large seeded Bush Lima bean in existence, and it's a dandy. The bushes grow about 18 inches high, are of stout growth and always erect. They branch vigorously and each plant develops into a fine bush, from two to three feet in diameter. It is a tremendous yielder, the handsome large pods being filled with very large beans of delightful flavor. Price, large pkt., 5c; 1 lb., 40c; $\frac{1}{2}$ lb., 25c; postpaid.

Dreer's Dwarf Lima ★

239 **T**HICK pods and large thick beans, three or four in a pod. Ripens fully ten days earlier than the Pole Lima of the same name. Price, large pkt., 10c; 1 lb., 40c; $\frac{1}{2}$ lb., 25c; postpaid.

236 King of the Garden—Climbing Lima

AVIGOROUS grower requiring but two vines to each pole. A very excellent bean in every way. In order to insure satisfactory results, we would advise early sowing. This bean is a great favorite with market gardeners owing to its great productiveness. They begin flowering at the bottom of the pole, producing a continuous bloom and foliage right on to the end of the season. Pods measure from 5 to 8 inches in length and contain from 5 to 7 perfectly formed beans of a superior quality. Price, large pkt., 5c; 1 lb., 45c; $\frac{1}{2}$ lb., 25c; postpaid.



Burpee's
Bush
Lima
Bean

Bean Culture

BEAN CULTURE— Garden beans of the dwarf or bush varieties are usually sown in rows 2 feet apart, dropping the seed 2 inches apart in the row. Do not sow until the ground is warm, and the danger of frost is past.

Dwarf Lima beans should be planted 18 or 20 inches apart in the place. The rows should be 3 feet apart. Do not plant until the ground is thoroughly warm. In this climate the last week in May or the first in June is the proper time to plant. Cover the seed only about one inch deep.

Pole beans should have some kind of support on which to climb.

King of
the Garden

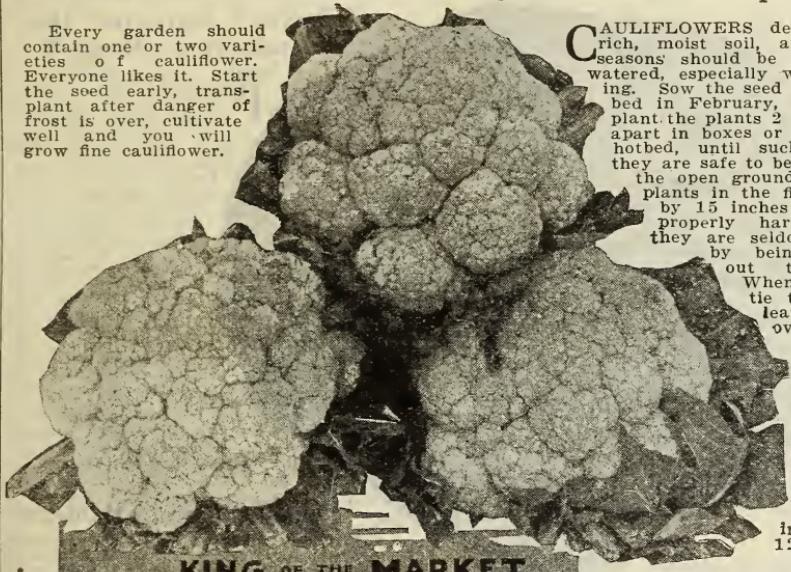
Table of Prices on All Varieties of Beans Listed Above

No.	Name	Dkt.	$\frac{1}{2}$ lb.	1 lb.
233	Black Wax	\$0.10	\$0.30	\$0.45
246	Bountiful Green Pod . . . . .	.10	.25	.40
238	Burpee's Bush Lima . . . . .	.05	.25	.40
252	Davis' Kidney Wax . . . . .	.10	.30	.45
45	Defiance Wax (See Special Page 18) . . . . .	.20	.30	.50
239	Dreer's Dwarf Lima . . . . .	.10	.25	.40
241	Early Yellow Six Weeks . . . . .	.05	.25	.40
244	Extra Early Refugee (Green Pod) . . . . .	.10	.25	.40
237	Henderson's Bush Lima . . . . .	.05	.25	.45
249	Improved Golden Wax (see page 21) . . . . .	.15	.25	.45
243	Kentucky Wonder (Green Pod) . . . . .	.05	.25	.40
251	Kentucky Wonder Wax . . . . .	.10	.30	.50
236	King of the Garden Climbing Lima . . . . .	.05	.25	.45
242	Red Valentine . . . . .	.10	.25	.40
247	Refugee Wax . . . . .	.10	.25	.45
240	Stringless Green Pod . . . . .	.05	.25	.40
250	Wardwell's Kidney Wax . . . . .	.10	.30	.45
245	White Navy . . . . .	.05	.15	.25

Cauliflower

You Can Easily Grow Good Cauliflower, Follow these Simple Rules

Every garden should contain one or two varieties of cauliflower. Everyone likes it. Start the seed early, transplant after danger of frost is over, cultivate well and you will grow fine cauliflower.



KING OF THE MARKET

Danish Perfection★

This Cauliflower is our Imported Dwarf Erfurt type. See page 15 for complete description.

First and Best★

See page 18 for illustration and description of this splendid variety of cauliflower. It is one of our Star Quality specials.

265 King of the Market★

HERE is no finer strain of cauliflower anywhere than Galloway's Imported King of the Market. It is very early. The heads are uniform, solid and snow white. It is about two weeks earlier than Snowball. The very best for forcing under glass. Price, large pkt., 10c; $\frac{1}{4}$ oz., 70c; 1 oz., \$2.50 (postpaid).

Galloway's Early Snowball★

264
No cauliflower grown has gained for itself a greater reputation than has Early Snowball. While originally recommended and used as an early variety, it has not only supplanted most other sorts for spring planting, but it has largely driven out the large late sorts for fall use, being much finer than they are in quality. It's a cauliflower that can be positively depended upon to produce a crop when conditions are ordinarily favorable. Its close growing, compact habit, enables at least one-third more to be planted on the same space of ground than can be done with other varieties. It's an ideal cauliflower for forcing under glass during the winter and spring. Price, large pkt., 10c; $\frac{1}{4}$ oz., 70c; 1 oz., \$2.50 (postpaid).

266 Dry Weather

A VARIETY especially adapted to dry conditions. There is great demand for this cauliflower owing to its productiveness under circumstances which as a rule mean failure to all other varieties. Plant in good, rich soil and cultivate well. The heads grow to a large size, are very solid, pure white and of delicious flavor. Price, large pkt., 10c; $\frac{1}{4}$ oz., 60c; 1 oz., \$2.00 (postpaid).

CAULIFLOWERS delight in a rich, moist soil and in dry seasons should be abundantly watered, especially when heading. Sow the seed in the hotbed in February, and transplant the plants 2 or 3 inches apart in boxes or in another hotbed, until such time as they are safe to be planted in the open ground. Set the plants in the field 2 feet by 15 inches apart. If properly hardened off, they are seldom injured by being planted out too early. When heading, tie the outside leaves loosely over the head to protect it from the sun. One ounce of seed produces from 1,500 to 2,000 plants. Matures in 110 to 120 days.

Cauliflower

No.	Name	pkt.	$\frac{1}{4}$ oz.	oz.
263	Danish Perfection (see page 15)	\$0.20	\$0.70	\$2.50
266	Dry Weather	.10	.60	2.00
264	Early Snowball	.10	.70	2.50
35	First and Best (see page 18)	.15	.80	3.00
265	King of the Market	.10	.70	2.50

Chinese or Celery Cabbage

276 Delicious, Appetizing, Healthful—Has No Peer

SERVE as a salad with your favorite dressing. Served as a hot or cold slaw. Served cooked with butter or cream sauce like cauliflower or asparagus. The thick stocky part especially suitable for cooking and requires only twenty to thirty minutes to cook. Not necessary to cultivate your taste for this vegetable. You will like it the first time; you will like it all the time. Price, pkt., 5c; 1 oz., 30c; $\frac{1}{4}$ lb., \$1.10; postpaid.



Celery Cabbage

Cabbages

For Every Soil and Every Purpose
Seed Direct From Danish Growers

Galloway's Imported Hol- lander or Ballhead ★



Galloway's Imported Early Winningstadt 299

THIS is without doubt one of the best of the early cabbages. It was originally imported from Germany, where it is a prime favorite owing to its compact and upright habit of growth and peculiar texture of its short, thick rich green leaves. This variety seems to suffer less from the cabbage worm than most other varieties. The heads are of medium size, and pyramidal shape, but very solid and of excellent quality; keeps well both summer and winter. It is the hardiest cabbage of its kind and will resist excessive wet, drought, insects or disease better than any other variety. Price, large pkt., 10c; 1 oz., 50c; $\frac{1}{4}$ lb., \$1.75 (postpaid).

COPENHAGEN MARKET*. See page 13 for complete description of this splendid cabbage. It is worthy to be among our Star Quality Specials. Copenhagen Market Cabbage seed is very scarce this year. Order early.

Early Jersey Wakefield ★ 296

THIS is the earliest and surest heading of all the early cabbages. Owing to its hardness it can be depended upon to resist cold and other unfavorable circumstances better than any other early cabbage. The plants are compact with very few outer leaves; heads are of medium size, very solid and pointed and of excellent quality. It is an ideal variety for the private garden as it takes up but little room and produces solid hearts sooner than any other sort. It is also an ideal cabbage for the Market Gardener, as it can always be depended upon to produce a fine early crop of solid, clean heads. Price, large pkt., 10c; 1 oz., 50c; $\frac{1}{4}$ lb., \$1.75 (postpaid).



305 Danish Summer Ballhead

THE Danish Summer Ballhead cabbage follows early sorts, producing much larger heads of light green, hard and solid, interior leaves the purest white; of sweet flavor and crisp, tender texture. Long keeping. Resembles the Winter Danish Ballhead quite closely. On light soil, it does particularly well, being a sure header. It has a compactness of growth which permits close packing. Its large round heads are less attacked by worms, bugs and diseases; being extremely hardy it does well under adverse conditions. Our stock of this superb strain is grown by the originator in Denmark. Price, large pkt., 10c; 1 oz., 90c; $\frac{1}{4}$ lb., \$3.40 (postpaid).

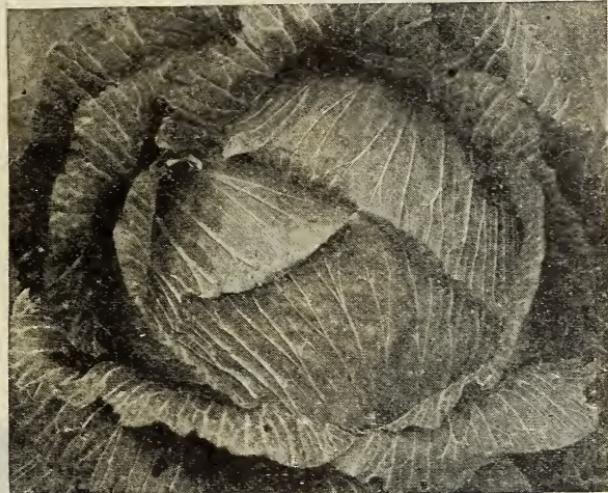
302 Early Flat Dutch

AN excellent second early cabbage, producing large solid heads of uniform shape, flattened on top. Fully developed heads frequently measure 10 to 12 inches across and weigh 12 to 15 pounds each. Fine grained and flavored. Particularly suited to the South; has strong heat-resisting qualities. Price, large pkt., 10c; 1 oz., 40c; $\frac{1}{4}$ lb., \$1.50 (postpaid).

Galloway's Premium Late Flat Dutch ★ Cabbage

298

THIS well known late cabbage is without doubt the very best of its kind grown. It is remarkably uniform in size and type. The heads are oval in shape and flat, and as solid as a rock. As a winter keeping cabbage, it is without an equal. Owing to its compact snug growth, it can be depended upon to produce many tons of solid, crisp and tender heads to the acre. A great favorite with Market Gardeners on account of its excellent shipping qualities. Galloway's Premium Late Flat Dutch is grown only from specially selected heads and can be depended upon to produce only plants true to name and of the highest quality. Price. large pkt., 10c; 1 oz., 50c; $\frac{1}{4}$ lb., \$1.75; postpaid.



Others and the Above Cabbages

	pkt.	oz.	$\frac{1}{4}$ lb.
276 Celery or Chinese	\$0.05	\$0.30	\$1.10
303 Charleston Wakefield . . . . .	.10	.30	1.10
301 Copenhagen Market (see page 13) . . . . .	.10	1.00	3.75
305 Danish Summer Ballhead . . . . .	.10	.90	3.40
302 Early Flat Dutch . . . . .	.10	.40	1.50
296 Early Jersey Wakefield . . . . .	.10	.50	1.75
299 Early Wanningstadt . . . . .	.10	.50	1.75
306 Fottler's Brunswick . . . . .	.10	.30	1.10
286 Savoy Drumhead . . . . .	.05	.40	1.50
307 Glory of Enkhuizen . . . . .	.10	.25	.95
300 Hollander or Ballhead . . . . .	.10	1.00	3.50
298 Premium Late Flat Dutch . . . . .	.10	.50	1.75
297 Red Hollander . . . . .	.10	.30	1.00
304 Stone Mason Marblehead . . . . .	.10	.25	.95
30 Main Crop Tenderheart . . . . .	.15	.35	1.20

Savoy Cabbage
Drum Head

286

THIS is by far the best of all Savoys, nice, medium solid, crisp heads, few outer leaves, flavor sweet and nutty, a very delicious vegetable for the table. No garden is complete without a patch of the Galloway Savoy cabbage. Price, large pkt., 5c; 1 oz., 40c; $\frac{1}{4}$ lb., \$1.50; postpaid.

ORDER
EARLY

Brussels Sprouts

A PACKET or two of Brussels Sprouts seed thinly scattered in a row in good warm ground as early as possible when danger of frost is over can be transplanted when the young plants begin to crowd each other and will give you a fine lot of splendid food. You can use same culture as for early or late cabbage, if you like. Seed should be sown a few days earlier and when plants are set out they should be 15 in. apart in rows 2 ft. apart. One ounce of seed will sow 200 ft. of drill. Matures in about 120 to 150 days.

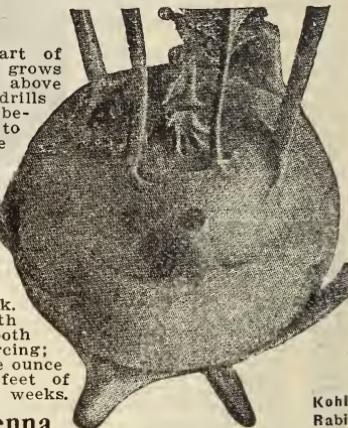
317

Galloway's Perfection ★

IT is surprising to note how few people grow this fine, nutritious and palatable vegetable. It certainly is worth a place in every home garden and we are sure when once grown they will always remain prime favorites with the household. They may be boiled like cabbage or cooked in cream like cauliflower. The small cabbage-like heads are usually boiled and served whole. They are in every way the most delicious and delicately flavored of the cabbage family. They usually grow from 2 to 2 1/2 feet high and are covered with miniature cabbages. Price, large pkt., 5c; 1 oz., 35c; 1/4 lb. \$1.00 (postpaid).

Kohl Rabi

CULTURE—The edible part of this plant is the bulb, which grows on a stalk a few inches above ground. Sow the seed in drills allowing 16 to 18 inches between the drills, and thin to 4 to 6 inches apart in the row. First sowing may be made as soon as the ground can be worked in the spring, and successive sowings repeated later. When young and tender, they are fine for table use; when matured, they keep splendidly and are excellent feed for stock. Greenish white outside with clear white flesh; smooth short leaf, good for forcing; extra fine in quality. One ounce of seed will sow 300 feet of drill. Matures in 8 to 10 weeks.



Kohl
Rabi

412

Early White Vienna

Galloway's
Perfection
Brussels
Sprouts

Borecole or Kale

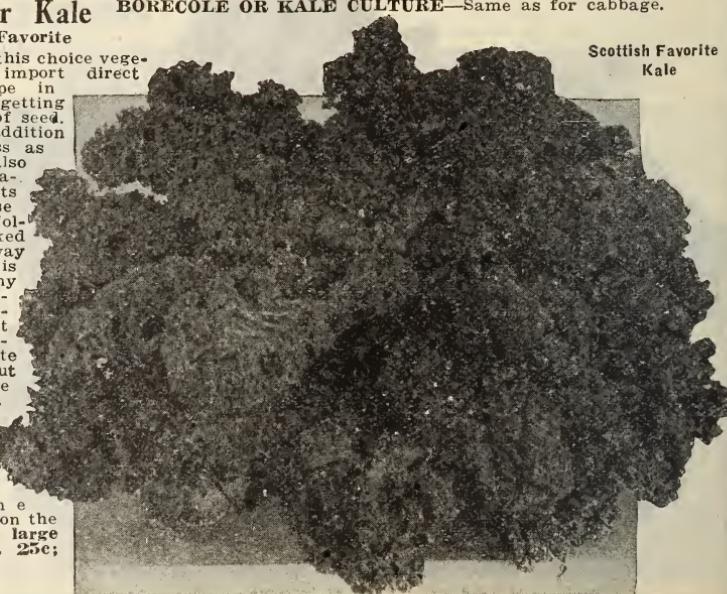
327—Scottish Favorite

THE seed of this choice vegetable we import direct from Europe in order to insure getting the right kind of seed. This plant, in addition to its usefulness as a vegetable, is also quite an ornament owing to its attractive dense and fern-like foliage. It is cooked in the same way as cabbage, but is preferred by many owing to its distinct and pleasing flavor. It has the distinction of being quite hardy in all but the extreme northern states. If the leaves at the top are cut during the early winter it will greatly encourage the growth of the young shoots upon the stem. Price, large pkt., 5c; 1 oz. 25c; 1/4 lb., 75c. (postpaid).

E VERYBODY'S favorite. The very best early Kohl Rabi for table use. Price, large pkt., 5c; 1 oz. 25c; 1/4 lb. 75c; postpaid.

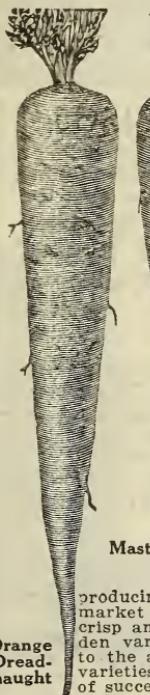
BORECOLE OR KALE CULTURE—Same as for cabbage.

Scottish Favorite
Kale



Carrots

Every Standard Sort
for Garden and Field



Carrots



Improved Danvers Half Long

350

Mastodon

A RICH orange and handsome, producing very heavy crops; a fine market variety; flesh is very sweet, crisp and tender. Although a garden variety, it produces more bulk to the acre than many of the field varieties and has the special merit of succeeding in almost all soil conditions. Price, large pkt., 5c; 1 oz., 20c; $\frac{1}{4}$ lb., 60c; 1 lb., \$2.00 (postpaid).

Orange
Dreadnaught

Galloway's Improved Chantenay

353

THE best carrot for table use, rich orange in color and of delicious flavor, owing to its attractiveness it is especially suited to the market gardener. Price, large pkt., 5c; 1 oz., 20c; $\frac{1}{4}$ lb., 60c; 1 lb., \$2.00 (postpaid).

348—Orange Giant Dreadnaught

HERE is no stock carrot anywhere that can surpass The Orange Giant Dreadnaught in size, in yield or feeding qualities. It is an exceedingly heavy cropper, yielding as high as 20 to 40 tons per acre. It can be depended upon to produce good crops almost all soils, but will produce record-breaking crops on soils that are rich; the roots grow well out of the ground, making them easy to gather. A few acres of this fine dairy stock carrot should be raised on every farm. There is no crop that pays better returns. Price, large pkt., 5c; 1 oz., 15c; $\frac{1}{4}$ lb., 50c; 1 lb., \$1.75 (postpaid).

355—Guerande or Ox Heart

THE quality of Guerande or Ox Heart is exceedingly good, being of a firm texture and remarkably sweet. It is an ideal carrot for table use and certainly should be grown where land is shallow, as it thrives much better under those soil conditions than the longer types of carrots. Price, large pkt., 5c; 1 oz., 20c; $\frac{1}{4}$ lb., 60c; 1 lb., \$2.00 (postpaid).

Price Table on Carrots—All Sorts

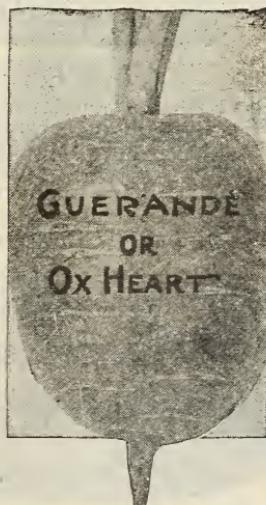
No.	Name	Pkt.	Oz.	$\frac{1}{4}$ lb.	$\frac{1}{2}$ lb.	lb.
353	Chantenay	\$.05	\$.20	\$.60	\$1.10	\$2.00
350	Danver's Half Long	.05	.20	.60	1.10	2.00
352	Early Dutch Horn	.05	.20	.60	1.10	2.00
349	James' Scarlet Intermediate	.05	.15	.50	.90	1.75
83	Little Wonder (see p. 20)	.10	.25	.70	1.35	2.50
351	Long Orange	.05	.20	.60	1.10	2.00
354	Nante's Half Long	.05	.20	.60	1.10	2.00
348	Orange Giant Dreadnaught	.05	.15	.50	.90	1.75
40	Orange Prince (See p. 18)	.10	.20	.70	1.35	2.50
355	Ox Heart or Guerande	.05	.20	.60	1.10	2.00
347	White Mastodon	.05	.15	.50	.90	1.75

Galloway's Giant Stock Carrots

White Mammoth Mastodon

347

“THE best of all live stock carrots.” This carrot is without doubt the most productive variety for stock. The quality of Mastodon carrot is A-1. In size they often obtain to 5 and 6 pounds each in weight. The shape of Mastodon carrot is such that it is easily harvested by hand, being a stout conical root with a heavy shoulder and scarcely any lateral roots. They do not break easily in pulling or while being handled. Their weight, color, and perfectly uniform shape attracting everyone's attention. Fine for horses, cattle and milch cows. Use 7 to 10 pounds of carrots with grain and dry fodder. This constitutes a perfect ration. If you are a stock keeper grow this valuable stock feed. This seed is imported from Europe. Price, large pkt., 5c; 1 oz., 15c; $\frac{1}{4}$ lb., 50c; 1 lb., \$1.75 (postpaid).



Sweet Corn

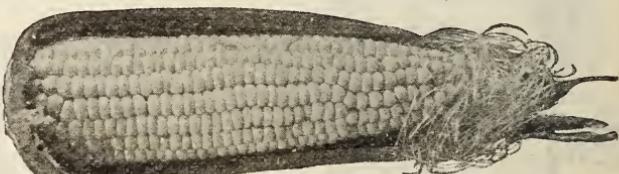
Grow More Sweet Corn! Cut The High Cost of Living!

CULTURE—Seeds of Sweet or Sugar corn, being liable to rot in cold or wet ground, should not be planted before May, or until the ground has become warm. For a succession, continue planting every two weeks until the middle of July, in rich, well-manured ground, in hills three feet apart each way, covering about half an inch; and thin out to three plants to a hill. The extra early varieties can be planted 18 inches apart in the rows, the rows being 30 inches apart. One quart of seed corn plants 200 to 300 hills; one peck will sow an acre in hills.

365 Peep 'O Day ★ Extra Early

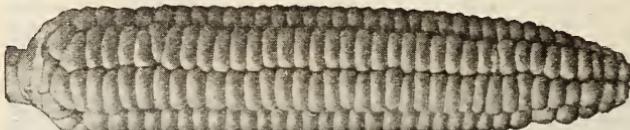
THE earliest of all Sweet corn, and on this account especially adapted to Northern latitudes where other varieties are hard to grow. It is a pure white color, tender, juicy and sweet. It is perhaps the best kind for the home garden, owing to its earliness. Almost everyone looks forward to their first picking of Sweet Corn; and if you put in a batch of Peep O'Day you certainly will be able to satisfy your desires for early corn. Our Peep O'Day sweet corn is pure, genuine and unadulterated and can be relied upon to give you entire satisfaction.

Price, large pkt., 5c;
1 lb., 35c; $\frac{1}{2}$ lb., 20c
(postpaid).



368 Early Evergreen ★ One of the Best Second Early Sweet Corns

THIS is a very popular sweet corn. It is in the second early class, comes to maturity full 10 to 12 days earlier than Stowell's Evergreen and yields large handsome ears of most delicious flavor. It has a ready sale in the market on account of its handsome appearance and earliness.

Price, large pkt.,
5c; 1 lb., 30c; $\frac{1}{2}$
lb., 20c (postpaid).

372 Yellow Early Golden Bantam ★ Extra Sweet

THE most popular of all the early sweet corns. The demand for Golden Bantam is enormous, and great difficulty is experienced by seed houses in keeping the supply equal to the demand. It is rapidly taking the place of the white and older varieties on account of its superior quality. Golden Bantam is the richest in flavor of all the sweet corns. Its pale, creamy yellow kernels are delicious and sweet. Price, large pkt., 10c; 1 lb., 35c; $\frac{1}{2}$ lb., 20c (postpaid).

Golden Bantam

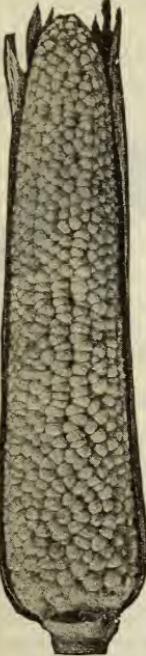
Stowell's Evergreen ★ King of the Late Corns Finest of Canners

366 **T**HIS variety has for many years stood at the head of the list of late sweet corn. For main late crop for the family garden or for the market gardener and farmer it cannot be excelled. It remains in good condition a long time after gathering, thus continuing in season after frost. This corn is distinguished by the large ear, the long deep kernels, its rich, sugary flavor and its long keeping qualities. There is perhaps more Stowell's Evergreen sweet corn sold for late planting than all the other late varieties put together.

When you get Stowell's Evergreen from us you get the genuine thing, and the absolutely best that money can buy. Our seed is true to name, having been very carefully selected especially for us. Price, large pkt., 5c; 1 lb., 30c; $\frac{1}{2}$ lb., 20c (postpaid).

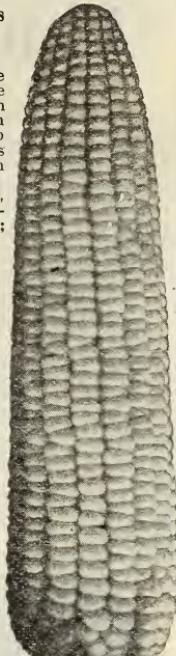
Country Gentleman Main Crop Late

WITHOUT doubt one of the best of the late varieties. It is the most luscious of all the sweet corns. The plump white kernels are of great depth, most delicious and the flavor will delight even an epicure. It remains tender and fit for use longer than most other sorts as the ear is enclosed in a thick husk which keeps it "in the milk." The ears average nine inches in length and are borne from two to five, and sometimes six, on each stalk. The cob is small and very closely packed from tip to butt with slender, pure white kernels of the finest quality. It comes as true to type as any sweet corn we know of. If you desire a really delicious late white sweet corn, you certainly should try Country Gentleman; we know it will please you. Price, large pkt., 10c; 1 lb., 35c; $\frac{1}{2}$ lb., 20c (postpaid).



375 Extra Early White Cory Sweet Corn

ONE of the earliest varieties, well and favorably known in all parts of the country. It succeeds well where the seasons are short, and can be recommended for general planting. Ears 6 inches long, with 8 rows of broad grains. Price, large pkt., 5c; 1 lb., 30c; $\frac{1}{2}$ lb., 20c (postpaid).



Pop Corn

Monarch White Rice

370 Something Good for the Boy's Garden.

THIS variety is the best for popping. The ears are large sized, very handsome and productive, excellent quality, very crisp and delicious. It is a very profitable crop to grow, yielding at the rate of 8 to 10 tons per acre of shocked corn. Thousands of tons of White Rice Pop Corn are annually sold for popping purposes. Price, large pkt., 5c; 1 lb., 20c; 2 lbs., 35c (postpaid).

Tom Thumb

374 (Dwarf)

THE Tom Thumb is a dwarf growing White Rice pop corn. It is a heavy yielder and very attractive. Is ready for popping soon after it is husked and does not have to dry until the second year, like other varieties. It is almost hullless and when popped there is absolutely no hard center. Ears are very uniform in size and nearly white in color. Price, large pkt., 5c; 1 lb., 20c; 2 lbs., 35c (postpaid).

Stowell's Evergreen



Medium Early—Fine Flavored
Tender and Sweet

Black Mexican Sweet

369

ONE of the best medium early varieties. Although when ripe, the kernel is dark bluish or black; when ready for the table, it is white. It is of especially fine sweet flavor and very tender. The cobs have ten rows of kernels and this variety fills well. Price, large pkt., 5c; 1 lb., 35c; $\frac{1}{2}$ lb., 20c (postpaid).



Sweet Corn Condensed Table of Prices on Above and Other Varieties of Sweet Corn

No.	Name	pkt.	$\frac{1}{2}$ lb.	1 lb.
369	Black Mexican	\$0.05	\$0.20	\$0.35
367	Country Gentleman (see page 21)	.10	.20	.35
368	Early Evergreen	.05	.20	.30
51	Early Sunrise	.15	.25	.40
372	Golden Bantam	.10	.20	.35
373	Howling Mob (see page 12)	.10	.20	.35
365	Peep o' Day	.05	.20	.35
366	Stowell's Evergreen	.05	.20	.30
375	Extra Early White Cory	.05	.20	.30

Pop Corn

No.	Name	pkt.	1 lb.	2 lbs.
374	Tom Thumb	\$0.05	\$0.20	\$0.35
370	White Rice	.05	.20	.35

Cucumbers

Early Fortune ★ Early

See page 13 for this splendid new cucumber. We have never offered it before but it has been tried and proven in the best trial grounds and gardens.

Galloway's Dandy ★ Main Crop

See page 20 for this fine cucumber. It has been one of our leading sellers for years. Complete description given on this page. Include a packet in your order.

White Spine Improved ★ Early

383 (A Great Slicing Kind)

A N extra early, exceedingly prolific and continuous bearing variety. The shape is unequalled, being rather longer than most sorts; the color is a beautiful dark green, shading off a little paler toward the bloom end. It is one of the best cucumbers for slicing and general use. The flesh is firm and crisp.

The seed we offer has been taken from fruit selected for its ideal form, uniformity of size, shape and color and general appearance; an excellent variety either for the greenhouse or outdoor cultivation. Price, large pkt., 10c; 1 oz., 15c; 1/4 lb., 40c; 1 lb., \$1.25, postpaid.



Davis Perfect—Medium to Late

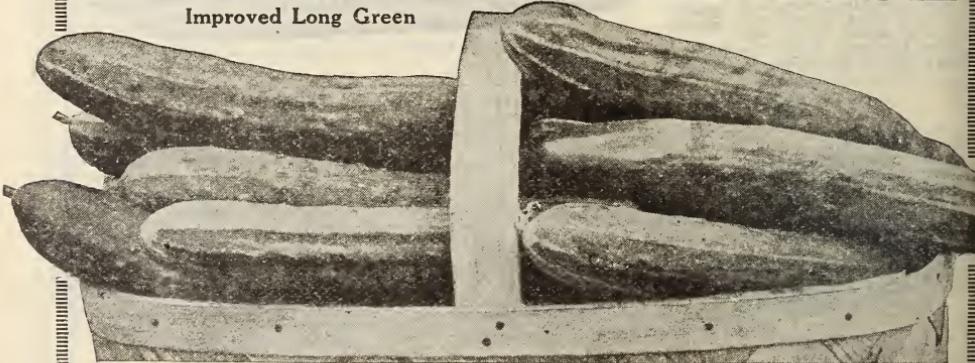
386

THIS cucumber has the merit of being not only a first-class variety for forcing under glass, but is equally as good for outdoor planting. The color is a dark, glossy green; in shape it is smooth and symmetrical with an average length of 10 to 12 inches. It is very tender and of exceptionally good flavor. For shipping it is unsurpassed. Price, large pkt., 5c; 1 oz., 15c; 1/4 lb., 35c; 1 lb., \$1.00, postpaid.

Condensed Table of Prices on Above and Other Varieties

No.	Name.	Pkt.	Oz.	1/4 Lb.	Lb.
385	Champion Pickler	\$0.05	\$0.15	\$0.35	\$1.00
S1	Dandy Special (See Page 20)	0.10	0.20	0.50	1.50
386	Davis' Perfect	0.05	0.15	0.35	1.00
46	Extra Early Conqueror	0.10	0.20	0.50	1.50
388	Early Fortune Special (See Page 13)	0.15	0.30	...	...
387	Japanese Climbing	0.05	0.25	...	...
382	Improved Long Green	0.05	0.15	0.35	1.00
384	Short Green or Early Frame	0.05	0.15	0.35	1.00
383	White Spine	0.10	0.15	0.40	1.25

Improved Long Green



384 Short Green or Early Frame

THIS is the very best standard pickling variety. Also good for family use for slicing and pickling. A good variety for successive sowing; fruits straight and handsome, smaller at each end, bright green, flesh tender and crisp, and makes fine pickles. Price, large pkt., 5c; 1 oz., 15c; 1/4 lb., 35c; 1 lb., \$1.00, postpaid.

Champion Pickler ★ Main Crop Pickler

385

THIS is the best known pickling variety and is used almost exclusively by the great pickling factories because of its size and uniformity. It can be relied upon to produce an abundant crop of small, hard and crisp fruits, right through the season, if they are picked when ready and not allowed to ripen on the vine. A small packet of Galloway's Champion Pickler cucumber will grow enough cucumbers to keep a good-sized family from one season to another. Price, large pkt., 5c; 1 oz., 15c; 1/4 lb., 35c; 1 lb., \$1.00, postpaid.



Cucumber Culture

CUCUMBERS succeed best in rich, loamy soil. As soon as the weather becomes warm and settled, plant in hills 4 to 6 feet apart each way, with 10 to 12 seeds in a hill; cover $\frac{1}{2}$ inch deep. Air-slaked lime and wood ashes sprinkled on the plants every few days, as soon as they are up, will protect them from the Striped Beetle. When all danger from insects is past, thin out plants, leaving 3 or 4 of the strongest to each hill. The fruit should be picked when large enough, otherwise it destroys their productiveness. One ounce of seed to 50 hills; two to three pounds per acre. Matures in 60 to 90 days.

Imported Golden Self Blanching ★

397 (Fine French Imported Seed)

THIS celery originated in France and has become the leading variety in America for all purposes. The quality is the very best, being solid, tender, crisp, with a soft golden yellow color. The flavor is delicious, crisp and nutty. In habit it is dwarf, stocky, uniform in height and very compact. It is entirely free from stringiness. We stock only the French grown seed, raised by one of the best known celery raisers. Price, large pkt., 10c; 1 oz., \$1.00; $\frac{1}{4}$ lb., \$4.00 (postpaid).

399 Solid Crystal White ★

A solid white variety it has no equal. The heart is full and solid and the inner and outer stalks are a pure white color. The flavor of this celery is delicious and is bound to please the most critical. Our seeds are especially imported French stock, and can be relied upon to give entire satisfaction. Price, large pkt., 5c; 1 oz., 30c; $\frac{1}{4}$ lb., \$1.00 (postpaid).

Celeriac

402 Turnip-Rooted Celery.

TREAT the seeds and plants the same as recommended for celery, with the exception that it is customary to set the Celeriac plants in rows one foot apart. The roots are preserved for use in winter by storing in moist sand in the cellar. Price, large pkt., 5c; 1 oz., 30c; $\frac{1}{4}$ lb., \$1.00 (postpaid).

Winter Queen

ONE of the best winter varieties, and we recommend it especially to market gardeners. It is tall and forms a large bunch. The leaves are light green, which blanch to a creamy white. Grows a thick and solid, heavy stock, with a large heart. Price, large pkt., 5c; 1 oz., 30c; $\frac{1}{4}$ lb., \$1.00 (postpaid).

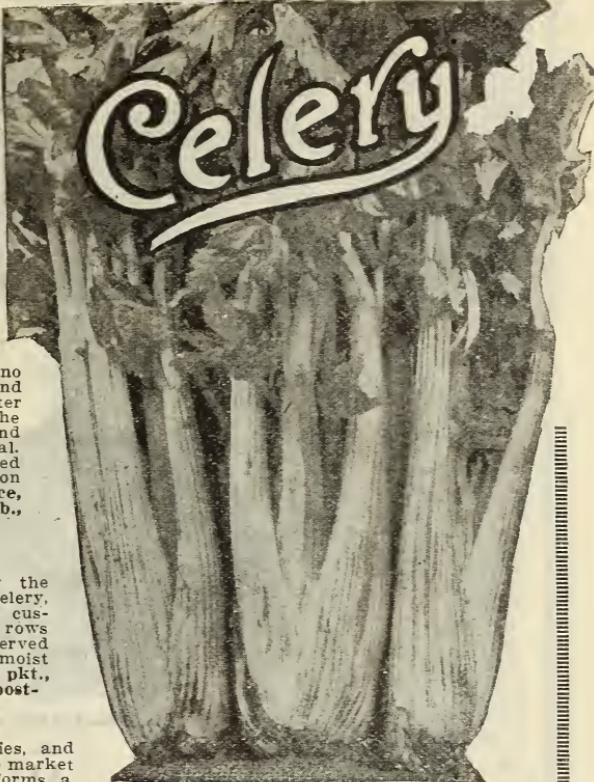
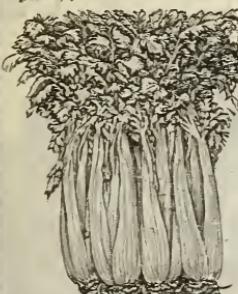
White Plume

401

A comparative-
ly easy variety to grow, as it is fairly hardy; and, being naturally white, is easy to blanch. The leaves are also white, tinted with green at the tips. Forms a medium-sized bunch and is fairly tall. Early variety. Price, large pkt., 5c; 1 oz., 30c; $\frac{1}{4}$ lb., \$1.00 (postpaid).

White Plume

30c; $\frac{1}{4}$ lb., \$1.00 (postpaid).



Imp. Golden Self Blanching

Black Chief ★

BLACK CHIEF. See page 21 for complete description of this splendid egg plant, a decided improvement over old purple types.

422 New York Improved Purple

THIS is the leading Egg Plant for home and market. The plant is very vigorous growing. The fruit is large, fine and free from thorns, and can be depended upon to produce until frost. The skin is a rich deep purple and the flesh is white and of good flavor. Price, large pkt., 5c; 1 oz., 50c (postpaid).

423 Black Beauty

ICH purple black in color and a remarkable market variety. Is early and makes also a fine sort for the home garden. Price, large pkt., 5c; 1 oz., 50c (postpaid).

Table of Prices of Above and Other Standard Varieties of Celery

CELERY

	Pkt.	Oz.	$\frac{1}{4}$ lb.
402 Celeriac	\$0.05	\$0.30	\$1.00
399 Crystal White . . . . .	.05	.30	1.00
398 Giant Pascal . . . . .	.05	.30	1.00
397 Golden Self Blanching (See page 16) . . . . .	.10	1.00	4.00
47 Solid Ivory . . . . .	.10	1.00	4.00
401 White Plume . . . . .	.05	.30	1.00
300 Winter Queen . . . . .	.05	.30	1.00

EGG PLANT

	Pkt.	Oz.	$\frac{1}{4}$ lb.
423 Black Beauty . . . . .	.05	.50	1.50
49 Black Chief (See page 21) . . . . .	.10	.50	1.50
422 New York Purple . . . . .	.05	.50	1.50



428

PRODUCES immense heads, solid as a cabbage. The heart blanches beautifully, being crisp, tender and delicious. A robust variety; it roots deeply, thus is able to resist hot, dry weather. It is especially popular in California, where it is known as Los Angeles Lettuce. A desirable standard summer lettuce. **Price, large pkt., 5c; 1 oz., 10c; 1/4 lb., 30c; 1 lb., \$1.00 (postpaid).**

Black Seeded Simpson

435

MUCH larger than ordinary Simpson; produces a compact mass of leaves, light color, crisp and nutty. Few lettuces are more widely known than Simpson's Black Seeded. It is an excellent sort, either for forcing under glass or for the open ground; a good heat resister and remains long in edible condition. We strongly recommend Black Seeded Simpson. **Price, large pkt., 5c; 1 oz., 10c; 1/4 lb., 30c; 1 lb., \$1.00 (postpaid).**

432 **Big Boston** ★

A VERY desirable large variety. Plants large, hardy, vigorous. Leaves broad, smooth, thin, of a light green color. It forms good-sized heads and does particularly well during the cool fall and spring months. Heads of a pleasing light-green color, firm and of superior quality. When grown in cold-frames, the heads are not as tight as when grown outside. **Price, large pkt., 5c; 1 oz., 10c; 1/4 lb., 30c; 1 lb., \$1.00 (postpaid).**

New York

433 **May King** ★

IT has solid heads and will bear transportation better than almost any other variety. For early spring planting in the open ground or under glass it is unequalled. The plants grow 6 to 7 inches in diameter and the outer leaves are so closely folded that the plant is practically all head. The outer leaves slightly tinged with brown, the heart is a bright yellow. **Price, large pkt., 5c; 1 oz., 10c; 1/4 lb., 30c; 1 lb., \$1.00 (postpaid).**

Improved Hanson

429

THE Hanson is one of the crisp heading sorts, in all respects one of the very best outdoor varieties for both the professional and amateur gardener. This variety is very hardy, and will stand extremes of weather better, perhaps, than any other of the "crisp heading" sorts. The head, which attains a large size, is hard, tender and crisp. **Price, large pkt., 5c; 1 oz., 10c; 1/4 lb., 30c; 1 lb., \$1.00 (postpaid).**

430 Galloway's Pride of Iowa ★

WITHOUT doubt this is the best of all the head lettuces. An ideal variety for early spring planting. It is very hardy and will stand extremes of weather better than any other variety. The heads cut for market can be kept fresh for a long time. We strongly urge lovers of head lettuce to give Pride of Iowa a trial. **Price, large pkt., 5c; 1 oz., 10c; 1/4 lb., 30c; 1 lb., \$1.00 (postpaid).**



Big Boston

Here is half a head of well grown Big Boston lettuce. Should be in every garden.

Giant White Cos Lettuce ★

436 Solid as a Rock—Try It In 1918

As a solid lettuce it is without an equal. The Giant White Cos is the finest and most highly selected White Cos lettuce in cultivation. It is of large size, perfect form, self-folding, and very crisp. Hardly ever known to run to seed. Price, large pkt., 10c; 1 oz., 15c; $\frac{1}{4}$ lb., 45c; 1 lb., \$1.50 (postpaid).

Galloway's Summer Favorite

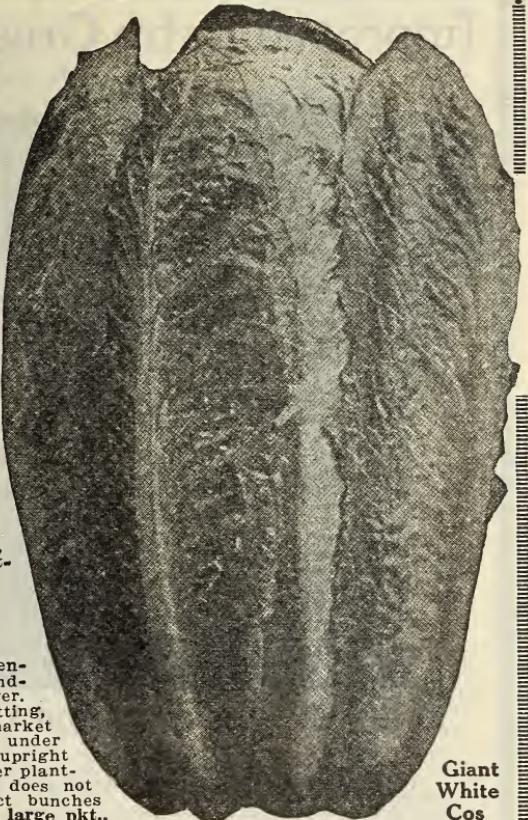
48

A REAL hot weather lettuce; one that will produce nice bunches of delicious leaves. This is not a large coarse leaved lettuce, but a medium sized, well-filled plant; leaves a pale green and daintily curled. Does not get tough and bitter like the larger and coarser types of lettuce. It is extremely early and very hardy. Can be sown much later than most other types. Price, large pkt., 10c; 1 oz., 15c; $\frac{1}{4}$ lb., 45c; 1 lb., \$1.50 (postpaid).

Grand Rapids ★

431

THE most popular variety for greenhouse or frames. It is of hand-some appearance; a strong grower. Will remain fresh a long time after cutting, making it especially suitable for the market growers. It will make a quick growth under adverse weather circumstances. Its upright habit of growth will permit of much closer planting than is usual with lettuce plants; does not form heads; but makes large compact bunches of light, crisp, delicious leaves. Price, large pkt., 5c; 1 oz., 10c; $\frac{1}{4}$ lb., 30c; 1 lb., \$1.00 (postpaid).



Giant White Cos



Wayahead

434

FORMS a large tender, crisp, loose head of bright green, crimped leaves, tinged with brownish red; of superior flavor, remaining sweet; slow to seed. A splendid variety for forcing or open ground. One of the finest lettuces for all the year round use. Price, large pkt., 5c; 1 oz., 10c; $\frac{1}{4}$ lb., 30c; 1 lb., \$1.00 (postpaid).

Black Seeded Tennis Ball

ONE of the best for outdoor planting. Plants medium sized, having thick, dark green leaves. When grown, forms solid heads which are crisp and tender. Price, large pkt., 5c; 1 oz., 10c; $\frac{1}{4}$ lb., 30c; 1 lb., \$1.00 (postpaid).

437

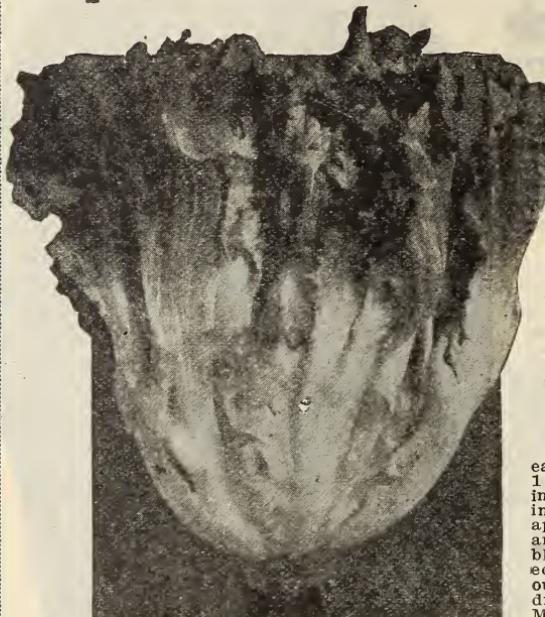
ONE of the earliest and surest-heading varieties; crisp, tender and of excellent flavor. Valuable for growing in frames. Price, large pkt., 5c; 1 oz., 10c; $\frac{1}{4}$ lb., 30c; 1 lb., \$1.00 (postpaid).

Wayahead ★

Lettuce

No.	Name	pkt.	oz.	$\frac{1}{4}$ lb.	lb.
432	Big Boston	\$0.05	\$0.10	\$0.30	\$1.00
82	Big Chief (see page 19)	.10	.15	.55	2.00
435	Black Seeded Simpson	.05	.10	.30	1.00
427	Black Seeded Tennis Ball	.05	.10	.30	1.00
431	Grand Rapids	.05	.10	.30	1.00
429	Hanson Improved	.05	.10	.30	1.00
433	May King	.05	.10	.30	1.00
428	New York	.05	.10	.30	1.00
430	Pride of Iowa	.05	.10	.30	1.00
434	Prizehead	.05	.10	.30	1.00
48	Summer Favorite	.10	.15	.45	1.50
437	Wayahead	.05	.10	.30	1.00
436	Giant White Cos	.10	.15	.45	1.50

Improved Extra Green Curled Endive



ENDIVE CULTURE—For a succession of crops from summer to winter, sow in May, June, July and August. As the plants get about 6 inches high, plant out in shallow trenches about one foot apart each way; water when planted and keep moist until well established; tie them up to blanch as they get to full growth, and cover them with hay or straw to protect them from frost. Endive is more useful as a salad late in the year; the leaves are also eaten when boiled, and are very palatable. $\frac{1}{4}$ ounce will sow 100 feet of drill. $4\frac{1}{2}$ pounds of seed per acre. Matures in about 90 days.

Improved Extra Green Curled

Price, large pkt., 5c; 1 oz., 15c; $\frac{1}{4}$ lb., 45c; 1 lb., \$1.50 (postpaid).

Leek

LEEK CULTURE—Sow seed in early spring in rows 1 foot apart and 1 inch deep. When plants are 6 inches high, transplant to rows 12 inches apart, setting plants 6 inches apart; as they grow, draw the soil up around them. This process tends to bleach the Leek, and to make the edible portion more palatable. One ounce of seed will sow 100 feet of drill. Four pounds of seed per acre. Matures in 120 to 140 days.

Herbs Medicinal and Culinary

Herbs delight in a rich, mellow soil. Sow in early spring in shallow drills 1 foot apart; cover lightly with fine soil, and when up a few inches thin out, or transplant into prepared beds. Care should be taken to harvest properly. Do this on a dry day, just before they come into full blossom; dry quickly in the shade, pack closely in bottles or dry boxes to exclude the air.

417 Dill, pkt., 5c; oz., 15c. * Thyme, pkt., 5c; oz., 30c. * Sage, pkt., 5c; oz., 15c.

Varieties in the list marked with a star (*) are perennials.

Okra or Gumbo

533 (White Velvet or Creole) THE pods of this variety are very free from ridges, being almost perfectly smooth; they are tender and very light green, almost white in color. Price, large pkt., 5c; 1 oz., 10c; $\frac{1}{4}$ lb., 30c (postpaid).

BEWARE OF THE EARLY FROST—In this latitude we usually get a killing frost about the middle of September, which kills off our Tomatoes, Cucumbers, Melons and other tender plants; usually we do not get another frost for two or three weeks, sometimes longer. Tender plants can be saved from this first frost by covering them with cheese cloth, burlap or paper; it's wonderful what a lot of frost paper will keep off your plants. It is best to tack the paper, etc., onto light frames to keep it off the plants. By protecting your plants from this early frost, you may be able to save a very valuable part of your garden crop.

Kelway's Prodigy Leek

407 IT is very hardy and of fine flavor. It has been tried side by side with all the best advertised sorts, and has beaten them all. It produces immense stems of deliciously flavored well-blanced leaves. Specimens have been grown weighing upwards of four pounds each. No garden should be without a patch of this fine vegetable. Price, large pkt., 5c; 1 oz., 25c; $\frac{1}{4}$ lb., 80c; (postpaid).

WATER THOROUGHLY

Much harm is done to garden crops by insufficient watering. When the soil is watered only sufficiently to wet the soil an inch or two, the roots are encouraged to grow near the surface, thus exposing them to the heat of the sun and the danger of being destroyed by the hoe. One thorough, good watering each week is better than mere surface watering every day.

Keokuk, Iowa,
January 11, 1917.

We want to get some seeds from you, as we had excellent luck with the seeds we got from you last year.

Mr. E. J. Reichmann,
1329 Morgan St.

Vesta, Minn.
February 19, 1917.

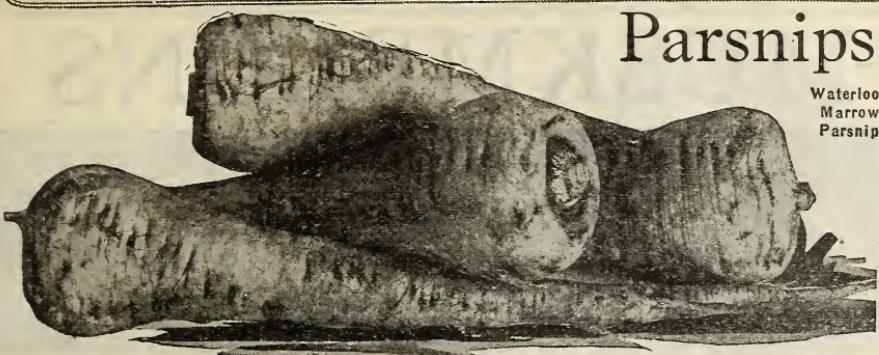
Last year we sent for all of our seeds to your house, and I never had such a good stand before. I think it pays big to buy seeds you know will grow.

Louis A. Fehr.



Leek

Parsnips

Waterloo
Marrow
Parsnip

501 Waterloo Marrow ★

A REALLY fine parsnip. It is clean, smooth, and well-shaped. Its flavor is unusually marrow-like and delicate. In our opinion it is the best strain of parsnip in cultivation. It is a perfectly clean root and has none of that objectionable coarseness so often found in the commoner varieties. Price, large pkt., 10c; 1 oz., 20c; 1/4 lb., 60c; (postpaid).

500 Hollow Crown

THE old, well-known variety, grown by market gardeners the world over; fine shape, crisp and of very fine flavor. Price, large pkt., 5c; 1 oz., 15c; 1/4 lb., 50c (postpaid).

Parsley

CULTURE—Parsley is used for seasoning soups, stews, salads, and also for garnishing. Succeeds best in a rich, mellow soil. As the seeds germinate very slowly, 3 or 4 weeks sometimes elapse before it makes its appearance. Sow early. One ounce will sow about 150 feet of drill.

502 Champion Dwarf Moss Curled ★

THE habit of this parsley is distinctly dwarf, but very close and compact and beautifully curled. For garnishing and culinary purposes we proclaim it the very best in cultivation. The leaves are a beautiful dark green color. Price, large pkt., 5c; 1 oz., 12c; 1/4 lb., 30c; 1 lb., \$1.00 (postpaid).

Turnip Rooted or Hamburg

THE edible portion is the fleshy root, which resembles a small parsnip, and is esteemed for flavoring soups, stews, etc. The flesh is white, a little dry with the flavor of Celeriac. The foliage is the same as the plain parsley. Price, large pkt., 5c; 1 oz., 12c; 1/4 lb., 30c; 1 lb., \$1.00 (postpaid).

511 Pumpkins

Kentucky Field or Large Cheese ★

A FINE sort for family and market use, and is also grown extensively for stock feeding. Grows about 2 feet in diameter. There are two Kentucky field pumpkins on the market. The old or common, and the improved large cheese. Ours is the improved stock, and it's true. Price, large pkt., 5c; 1 oz., 10c; 1/4 lb., 25c; 1 lb., 75c (postpaid).

512 Sugar or Pie ★

SMALL, round, flattened, prolific, deep orange yellow, sweet and of very fine quality. The best for pies. Price, large pkt., 5c; 1 oz., 10c; 1/4 lb., 30c; 1 lb., \$1.00 (postpaid).

Champion
Dwarf
Moss
Curled
Parsley

Rhubarb

630 Victoria

A BSOLUTELY the best either for forcing or for outdoor culture. A good many "fake" new varieties of this popular plant have been thrown upon the market during the past few years; but that Victoria is the best all round rhubarb. When grown out of doors the stems are a nice rich red color; when forced under greenhouse stages, the stems are much paler, and during the winter months fetch high prices. Price, large pkt., 5c; 1 oz., 15c; 1/4 lb., 30c; 1 lb., \$1.00 (postpaid).



MUSKMELONS



CULTURE—A rich, sandy soil and good seed are absolutely necessary for success in raising the best muskmelons. The seed should not be planted until the ground has become dry and warm; plant in hill 6 feet apart each way; old-well-rotted manure should be thoroughly mixed with the soil in each hill and in liberal quantity. Put 6 to 10 seeds in the hill; and when danger from insects is past, leave 3 or 4 of the strongest plants in the hill. Musk or Cantaloupe melons may also be sown in rows, that are made about 6 feet apart; and when the plants are well up, thinned to stand in hills 5 to 6 feet apart, just before the plants begin to run. This method insures a good stand of plants in spite of the bugs. Remember that you cannot work your soil too much. Pinch the first blossoms to promote fruitfulness, leaving three-fourths of them on the vines and pinch the end of the vines to retard growth and throw the strength into the fruit. One ounce of seed will plant 60 hills; 2 to 3 pounds will sow one acre. Matures in 90 to 110 days.

Eden Gem

54 **Eden Gem**
THIS strain of Rockyford, Cantaloupe is favorably known in nearly all sections where Rockyfords are grown. It is a heavy yielder; nearly all the melons are solid net. The meat is deep and of excellent quality. The melons run standard size, there being but few too large and less too small. Price, large pkt., 5c; 1 oz., 15c; $\frac{1}{4}$ lb., 50c; 1 lb., \$1.75 (postpaid).

Extra Early Wonder

55 **Musk Melon**
ITS extraordinary earliness, its solid and sweet meat which can be eaten right to the rind, its extraordinary yields of handsome, close netted, uniform fruits make it a wonder in every sense of the word. The flesh is a rich, deep green in color, firm and crisp, is a splendid keeper and on this account alone is an ideal melon for the market. It ripens fully two weeks earlier than any other variety. The plants are exceptionally vigorous, the fruit sets early, and the crop matures in a very short time. Such quality melons cannot fail to please. Price, large pkt., 5c; 1 oz., 15c; $\frac{1}{4}$ lb., 50c; 1 lb., \$1.75 (postpaid).

HONEY DEW.* See page 15 for description of our Honey Dew melon, the most famous of recent melon novelties.

HOODOO.* See page 19 for one of our Extra Specials, the Hoodoo muskmelon.

Osage or Miller's Cream

465 **Osage or Miller's Cream**
THE flesh is salmon color and very luscious flavor. The flesh is exceptionally thick, there being scarcely any cavity in the center of the largest fruit. A favorite variety for the later markets. Price, large pkt., 5c; 1 oz., 15c; $\frac{1}{4}$ lb., 50c; 1 lb., \$1.75 (postpaid).

Osage or
Miller's
Cream
Musk Melon

Burrell's Gem

468 **Burrell's Gem**
THE meat is rich golden color, very thick, and fine grained. The flavor cannot be excelled. The rind is covered with a closely-laced gray netting, except the narrow strip between the ribs, which is not netted. The blossom end is well protected. Shape oblong, averaging 6 inches long and tapering at the ends. It is an excellent shipper. Price, large pkt., 5c; 1 oz., 15c; $\frac{1}{4}$ lb., 50c; 1 lb., \$1.75 (postpaid).

Burrell's
Gem
Musk Melon

Preston, Idaho.

January 18, 1917.

I bought my garden seed from you last spring and was very much pleased with it.

Chris Peterson,
R. No. 2, Box 42A.

Reform, Ala.,

September 3, 1917.

I am writing to let you know what a noble crop of Watermelons I got this season. They are so large that it hustles a man to pick up one; they weigh 40 to 75 pounds. I don't want any other seed but your seed. My garden seed was fine; the cabbage was the finest in this part of the country.

Ruth Cook, Box 21.

Extra Early Hackensack Hardy Sweet Quick Grower

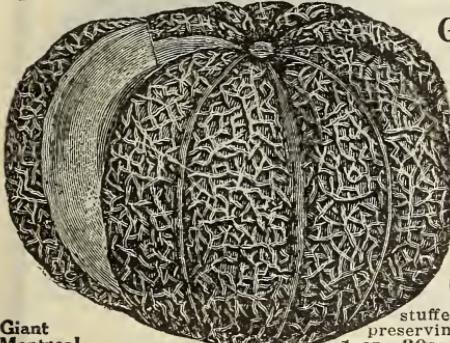
Early Hackensack

A PRODUCTIVE and profitable strain of the old Hackensack. The new form is about two weeks earlier, and almost of equal size; the melons weighing from 5 to 10 pounds each. In shape and color it is similar to the parent, the difference being in point of earliness, which is sufficient to commend it to market gardeners. It is a round melon, flattened at the ends and ribbed. The skin is netted; and the flesh, which is green, is rich and very sweet. Price, large pkt., 5c; 1 oz., 15c; $\frac{1}{4}$ lb., 50c; 1 lb., \$1.75 (postpaid).



Paul Rose or Petoskey

466 O WING to its superiority as a shipper, its sweet, rich red and fine flavored meat, its uniform size (about 5 inches in diameter), shape, appearance and color (light green or faint golden) it is a favorite of the market grower. Price pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.75 postpaid.



Giant Montreal ★

467 **Green Flesh, The Largest Muskmelon** **I**T is of large size and delicious, melting flavor. The skin is green and the flesh is light green in color. A weight of 20 to 25 pounds is not rare, and a weight of 39 $\frac{1}{2}$ pounds is on record. The vine is prolific. The melon is a prime market sort and a good shipper. The best seed comes from the neighborhood of Montreal, and our stock is the true Canadian. Price, large pkt., 5c; 1 oz., 15c; $\frac{1}{4}$ lb., 50c; 1 lb., \$1.75 (postpaid).

471 Mango Melon or Vegetable Peach

Orange in shape and size; the flesh is snow white. They make splendid mangoes, stuffed like peppers. For sweet pickles, pies and preserving, they have no equal. Price, large pkt., 10c; 1 oz., 30c; $\frac{1}{4}$ lb., 80c; 1 lb., \$2.90 (postpaid).

Giant Montreal

No.	Name	pkt.	oz.	$\frac{1}{4}$ lb.	lb.
470	Banana	\$0.05	\$0.15	\$0.50	...
468	Burrell's Gem	.05	.15	.50	1.75
464	Early Hackensack	.05	.15	.50	1.75
54	Eden Gem	.05	.15	.50	1.75
55	Extra Early Wonder	.05	.15	.50	1.75
467	Giant Montreal	.05	.15	.50	1.75
469	Henderson's Bush	.10	.25	...	...
462	Honey Dew (see page 15)	.15	.40	...	...
53	Hoodoo (see page 19)	.10	.25	.75	2.50
465	Osage or Miller's Cream	.05	.15	.50	1.75
466	Paul Rose or Petoskey	.05	.15	.50	1.75
463	Rockyford	.05	.15	.50	1.75
471	Mango Melon or Vegetable Peach	.10	.30	.80	2.90

Henderson's Bush

469 **T**HIS recent introduction is a very desirable addition to the list of melons, as it is a variety that can be grown to advantage in small gardens where there is not sufficient room for the running types. It is a small green fleshed melon, a dependable cropper, sweet, and of good flavor. Price, large pkt., 10c; 1 oz., 25c (postpaid).

Banana Cantaloupe

470 **S**HAPED somewhat as the name indicates; grows from 2 to 2 $\frac{1}{2}$ feet in length; flesh deep salmon of good quality. It is eagerly bought, owing to its odd appearance. Price, large pkt., 5c; 1 oz., 15c; $\frac{1}{4}$ lb., 50c (postpaid).

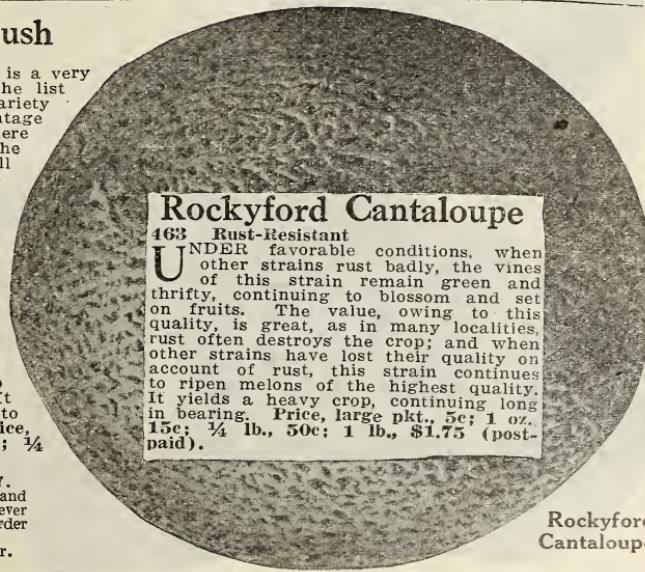
Spencer, N. C., January 22, 1917.
I have tried your garden seeds, and find them to be the best seed I ever used, and you may expect an order from me shortly.

E. L. Holder.

Rockyford Cantaloupe

163 Rust-Resistant

UNDER favorable conditions, when other strains rust badly, the vines of this strain remain green and thrifty, continuing to blossom and set on fruits. The value, owing to this quality, is great, as in many localities, rust often destroys the crop; and when other strains have lost their quality on account of rust, this strain continues to ripen melons of the highest quality. It yields a heavy crop, continuing long in bearing. Price, large pkt., 5c; 1 oz., 15c; $\frac{1}{4}$ lb., 50c; 1 lb., \$1.75 (postpaid).



Rockyford
Cantaloupe

Watermelons

Two Pages of the
Best Varieties

CULTURE. The soil for watermelons must be light, rich and sandy. When there is no more danger of frost, drop 8 to 10 seeds, 8 to 10 feet apart each way, covering about $\frac{3}{4}$ of an inch deep. As soon as the plants commence to run, thin out to three best plants in a hill, and cultivate until the vines cover the whole ground. If slow to fruit, pinch off the ends of the growing shoots. Ashes or air-slaked lime, sifted on the young plants while dew is on, is good to keep the insects away. One ounce of seed will plant about 30 hills, and it takes 3 to 4 pounds of seed to one acre. Matures in 110 to 130 days.

452

Improved Sweetheart ★

THIS fine variety is an entirely distinct and handsome watermelon. Vines very vigorous and productive, ripening early, fruit large nearly round, very heavy, uniformly marked with light and green lines, flesh bright red, solid and very tender. The melons retain their good qualities for a long time after ripening and being gathered. Price, large pkt., 5c; 1 oz., 10c; $\frac{1}{4}$ lb., 30c; 1 lb., \$1.00 (postpaid).

56

Galloway's New Divider ★

TOPS them all for weight, quality of meat, keeping and shipping qualities. Here without doubt is the peer of the entire watermelon family; a melon without an equal. The flesh is a rich, deep red, and develops almost to the rind. There is no waste; it is solid, crisp and sweet; can be cut without a fear of breaking, an objectionable feature with so many watermelons. The skin is thin, but hard, and can be safely shipped without fear of breaking. It grows to an enormous size, under favorable conditions. Price, large pkt., 10c; 1 oz., 20c; $\frac{1}{4}$ lb., 50c; 1 lb., \$1.75 (postpaid).

Galloway's Citrons ★

454 Preserving Citron or Melon—Red Seeded

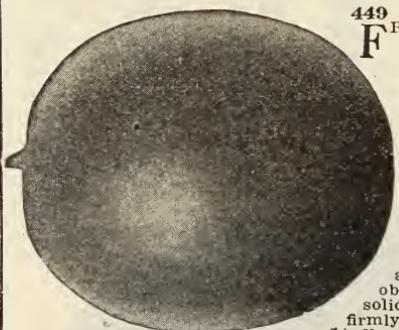
ALARGE-FRUITED variety, pure white flesh and thin rind. This is expensive when bought, yet can be grown and preserved by any energetic housewife, who will then also know it to be absolutely pure and good. It is planted like watermelon. Price, large pkt., 5c; 1 oz., 15c; $\frac{1}{4}$ lb., 55c; 1 lb., \$1.00 (postpaid).



Sweet Heart

Improved Ice King ★ The Market Gardener's Favorite Melon

IFRUIT nearly round, with dark green skin, flesh deep pink, very sweet and melting, a general favorite with market gardeners everywhere, a very desirable melon in every way. Price, large pkt., 5c; 1 oz., 10c; $\frac{1}{4}$ lb., 30c; 1 lb., \$1.00 (postpaid).



Ice King

Every home should have a melon patch!

446—

THE sweetest meated watermelon grown. Our customers who have grown it, speak volumes in its praise; for productivity it stands unrivaled. Some growers report sales of as much as \$200 to \$300 per acre and we believe that even this can be increased. It is not only a good eating melon, but it is also a good keeper, and holds first place on many markets. The melon is oblong, dark green color, flesh deep red and stringless, solid and very sweet, with but a few white seeds set firmly near the rind. Price, large pkt., 5c; 1 oz., 15c; $\frac{1}{4}$ lb., 40c; 1 lb., \$1.50 (postpaid).



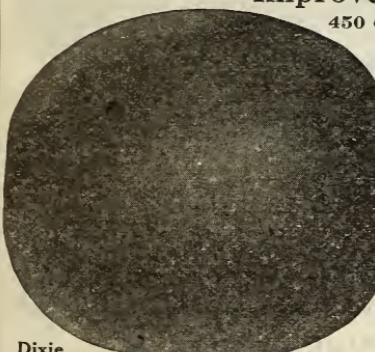
Kleckley Sweet

Have Them in
Every Garden for 1918 More Watermelons

Phinney's Early ★

448

ONE of the best of the earlies; very extensively grown in the Corn Belt districts, and highly spoken of by all who have grown it. A fine oblong melon; flesh pink; crisp and of delicious flavor. An abundant bearer. Price, large pkt., 5c; 1 oz., 10c; $\frac{1}{4}$ lb., 30c; 1 lb., \$1.00 (postpaid).



Dixie

Cole's Early ★

453

FOR the northern states this is desirable. On account of its extreme earliness and vigorous growth. Rather small and nearly round in shape. Light green rind, striped with darker green. Scarlet flesh, solid and sweet. Price, large pkt., 5c; 1 oz., 10c; $\frac{1}{4}$ lb., 30c; 1 lb., \$1.00 (postpaid).

Improved Halbert Honey

450

THIS is a grand melon, equaling in flavor and as handsome in color as Kleckley's Sweet; but much more regular in form, and a great deal more productive. It grows quite as long as the Kleckley's Sweet. The melons are blunt at both ends and generally free from the slightest appearance of neck; in size they average 18 to 20 inches in length, and 6 to 8 inches in diameter; color of rind a deep, glossy green. The flesh is a beautiful deep crimson, extending to within $\frac{1}{2}$ inch of the rind; which, like the flesh, is so tender that it will not stand shipping any distance unless carefully handled. Price, large pkt., 5c; 1 oz., 10c; $\frac{1}{4}$ lb., 30c; 1 lb., \$1.00 (postpaid).



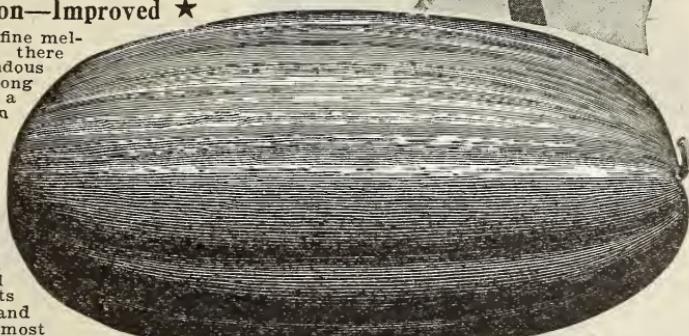
Everybody Likes Watermelons! Boys Especially!

447 Galloway's Improved Dixie

A CROSS between the Kolb's gem and the old reliable Mountain Sweet. It surpasses the Kolb's Gem as a long distance shipping melon; while it fully equals Mountain Sweet in its excellent flavor, and is 10 to 12 days earlier than either. In shape about one-third longer than thick; color of skin dark green and beautifully striped; rind thin, but remarkably hard; flesh bright scarlet, sweet and juicy. Price, large pkt., 5c; 1 oz., 10c; $\frac{1}{4}$ lb., 30c; 1 lb., \$1.00 (postpaid).

451 Tom Watson—Improved ★

A N exceedingly fine melon for which there is a tremendous demand. It is oblong in shape, with a deep green skin over which is a thick netting. It is quite distinct from all other varieties. The rind is thin, but very tough and the flesh is a bright attractive red color; of a sweet, delicious and satisfying flavor. Its fine appearance and quality makes it most desirable for both the home garden and the market. Price, large pkt., 5c; 1 oz., 10c; $\frac{1}{4}$ lb., 30c; 1 lb., \$1.00 (postpaid).



Complete List of Foregoing and Other Standard Varieties of Watermelons

No.	Name	Pkt.	Oz.	$\frac{1}{4}$ lb.	1 lb.
453	Cole's Early	\$0.05	\$0.10	\$0.30	\$1.00
447	Dixie	.05	.10	.30	1.00
450	Halbert Honey	.05	.10	.30	1.00
449	Ice King	.05	.10	.30	1.00
446	Kleckley's Sweet	.05	.15	.40	1.50
56	New Divider	.10	.20	.50	1.75
448	Phinney's Early	.05	.10	.30	1.00
452	Sweetheart	.05	.10	.30	1.00
451	Tom Watson	.05	.10	.30	1.00

Oakharbor, Ohio, December 27, 1916.

The Reid's Yellow Dent seed corn I got from you certainly did fine; it beats the Leaming corn in this section by one-fifth at least.

Mr. P. C. Paulsen.

Tama, Iowa, February 2, 1917.

We have used your seeds for a number of years and found them very satisfactory. Sudan grass done fine, also sweet clover.

Mrs. J. H. Stoddard.

Onions

seed per acre. In many localities, they winter well without mulch or other protection.

For fall dry bulbs, select a clean, rich, well-drained and well-manured piece of land; prepare a perfect seedbed, and sow seed in early spring in drills 15 inches or so apart, using 4 to 5 pounds of fresh seed per acre. Use wheel-hoe and weeder freely, and thin plants to stand at least 2 inches apart in the rows. Pull when tops begin to die down, cure and sell, or store in a cool dry place.

For sets, select clean sandy soil of medium fertility; prepare it well in early spring, and at once sow seed in drills one foot apart, using 40 to 60 pounds of seed per acre. Gather sets when ripe and store them in dry, airy place. In the early spring following, plant them in shallow drills 12 inches apart, and about 2 inches apart in the drills. Matures in 110 to 130 days.

CULTURE. One ounce of seed for 200 feet of drill; 4 to 5 pounds of seed for one acre. For early green or bunching onions, sow seed of Silver Skin or other hardy white varieties in early August, in well-prepared soil; giving one foot space between the rows, and using 20 pounds of

483

PRIZETAKER is by far the handsomest, most productive, most popular and best of all yellow globe onions. It is a bright, clear straw color, and always grows to a uniform shape. It has a very small neck and ripens without stiffness of the neck. Attracts attention on account of its beauty. It always brings a much better price than any other onion. The bulbs grow to an enormous size. The keeping qualities are fine. Price, large pkt., 5c; 1 oz., 25c; $\frac{1}{4}$ lb., 80c; 1 lb., \$3.00 (postpaid).

Prizetaker *

479

Southport White Globe *

IT is silvery white in color, globe-shaped in form, flesh pure white, and of most delicious flavor and a grand keeper. The onions measure from 2 $\frac{1}{2}$ to 3 inches in diameter, and are wonderfully uniform. Under favorable circumstances Southport White Globe will yield up to as high as 900 bushels to an acre, making it an ideal crop for the market gardener. Price, large pkt., 10c; 1 oz., 35c; $\frac{1}{4}$ lb., \$1.25; 1 lb., \$4.00 (postpaid).

480

Southport Yellow Globe *

THIS is a very popular onion, either for home use or the market. An onion that always gives satisfaction. It is an enormous yielder, very hardy and in every respect reliable. They grow very uniformly in shape and color. They are veritable globes of gold. They are very large, growing from 9 to 10 inches in circumference. The skin is an attractive light golden yellow. The flesh snow-white, solid and juicy. Price, large pkt., 5c; 1 oz., 25c; $\frac{1}{4}$ lb., 80c; 1 lb., \$3.00 (postpaid).

481

Southport Red Globe *

IT'S a very handsome onion of immense size, averaging 9 to 10 inches in circumference, solid, heavy and of perfect globe shape. The skin is a rich, purplish red, flesh pure white, very crisp and mild. Yields immense crops of handsome bulbs, averaging as high as 900 to 1000 bushels to the acre, under favorable conditions. Price, large pkt., 5c; 1 oz., 25c; $\frac{1}{4}$ lb., 80c; 1 lb., \$3.00 (postpaid).

Prizetaker—King of Onions

Tobe, Colorado, January 17, 1917.
I used Galloway seed the year of 1915 and they did exceedingly fine, and I will say that you will receive my order this year.

L. C. Fullbright.

Loretto, Neb., January 31, 1917.

We got seed and bulbs from you once before, and were so well pleased that we will send you another order.

Mrs. Frank Blough.

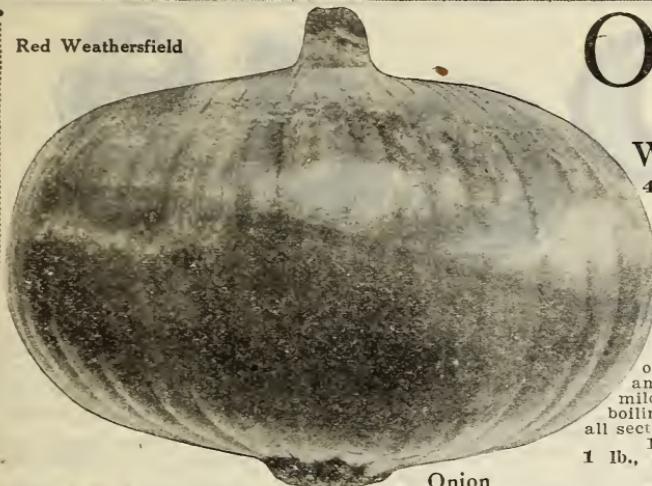
Fair Play, Mo., January 11, 1917.

I like your seeds fine, and want to order quite a lot of seeds this spring.

Mrs. T. W. Tindle, Route 1.

Southport
Globe
Onion

Red Weathersfield



Onion

Onions

Red Weathersfield ★

485 **I**t is an enormous yielder, producing anywhere from 600 to 900 bushels per acre. The skin is a deep purplish red; flesh, pure white. The handsome bulbs often weighing up to 2 pounds. It probably has a larger sale than any other red skinned onion. It matures early and the flavor is good and mild. Just the onion for boiling. A leading variety in all sections. Price, large pkts., 5c; 1 oz., 25c; $\frac{1}{4}$ lb., 80c; 1 lb., \$3.00 (postpaid).

No.	Name	Pkt.	Oz.	$\frac{1}{4}$ lb.	1 lb.
486	Danver's Yellow Globe	.05	.25	\$0.80	\$3.00
58	Express Red Globe (See p. 24)	.10	.30	1.00	3.50
58	Express White Globe (See p. 24)	.10	.40	1.30	5.00
58	Express Yellow Globe (See p. 24)	.10	.40	1.20	4.00
489	Favorite Pickler	.05	.35	1.20	4.00
491	Ideal Yellow Globe (See p. 16)	.10	.50	1.50	5.00
490	Mammoth Silver King	.05	.50	1.00	3.50
483	Prizetaker	.05	.25	.80	3.00
481	Southport Red Globe	.05	.25	.80	3.00
479	Southport White Globe	.10	.35	1.25	4.00
480	Southport Yellow Globe	.05	.25	.80	3.00
484	Waterloo Wonder	.10	.35	1.20	4.00
487	White Portugal	.05	.30	1.00	3.50
485	Red Weathersfield	.05	.25	.80	3.00
488	Mixed	.05	.25	.90	3.00

Danver's Yellow Globe ★

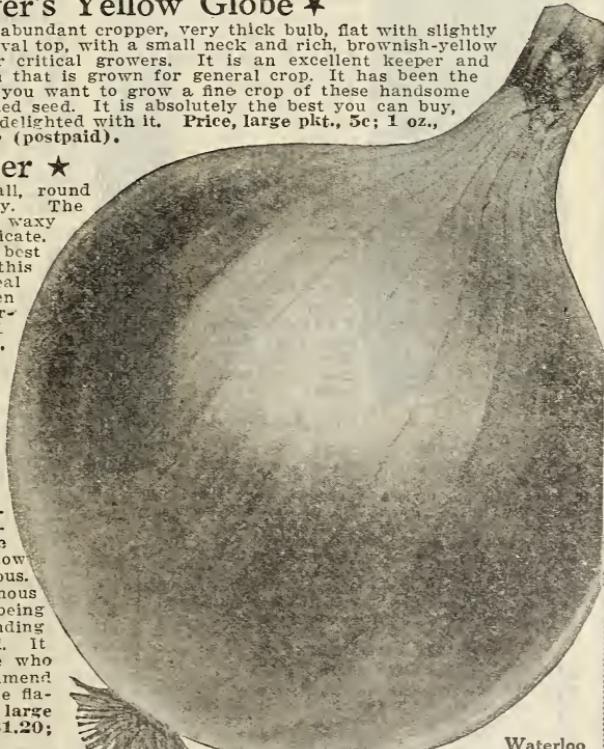
486 **D**ANVER'S early variety, an abundant cropper, very thick bulb, flat with slightly convex bottom, fine full oval top, with a small neck and rich, brownish-yellow skin; just the onion for critical growers. It is an excellent keeper and perhaps the best paying onion that is grown for general crop. It has been the leading variety for years. If you want to grow a fine crop of these handsome onions get our specially selected seed. It is absolutely the best you can buy, and we guarantee you will be delighted with it. Price, large plt., 5c; 1 oz., 25c; $\frac{1}{4}$ lb., 80c; 1 lb., \$3.00 (postpaid).

Favorite Pickler ★

489 **F**AVORITE extra early, very small, round and handsome variety. The color is a beautiful waxy white, flavor mild and delicate. This onion is used in all the best known pickle factories in this and other countries. A real favorite for the home garden owing to its very early maturity. Price, large plt., 5c; 1 oz., 35c; $\frac{1}{4}$ lb., \$1.20; 1 lb., \$4.00 (postpaid).

Galloway's Waterloo Wonder ★

484 **T**REMENDOUS onion of the Yellow Globe type. The largest and heaviest cropper. Its handsome form immediately attracts the attention and admiration of all who see it. The skin is pale yellow, the flesh snow white, and the flavor delicious. The bulbs attain to an enormous size, 2 to 2 $\frac{1}{2}$ pounds each being quite common. Notwithstanding their great size, they are solid. It is a good keeper and to those who like an onion raw, we recommend it on account of its acceptable flavor. Seed very scarce. Price, large plt., 10c; 1 oz., 35c; $\frac{1}{4}$ lb., \$1.20; 1 lb., \$4.00 (postpaid).



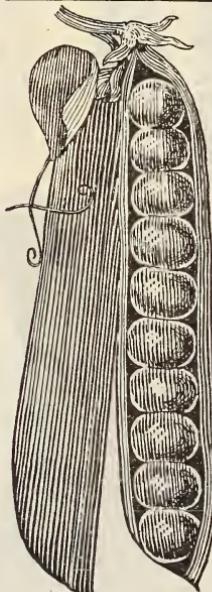
Waterloo Wonder

Peas

CULTURE. Peas mature early when in a light rich soil. For the general crop, a rich deep loam or clay would be the best. Peas thrive better if the ground has been manured for a previous crop, but if the ground is poor and requires enriching, use well-rotted manure; and for the dwarf varieties, you can hardly make the soil too rich. When grown as a market crop, peas are seldom staked or bushed, but are sown in single rows 3 to 4 inches deep, the depth depending on the time of sowing, nature of the soil, as well as the nature of the variety of pea.

Wrinkled varieties are not as hardy as the smooth sorts; and if planted deep, they are liable to rot in the ground. These wrinkled varieties are, however, the sweetest and best flavored. Rows for planting should be from 2 $\frac{1}{2}$ to 3 $\frac{1}{2}$ feet apart.

When grown in the kitchen garden, it is best to sow seed in double rows 6 to 8 inches apart; the tall sorts requiring brush. Commence sowing early varieties as soon as the ground can be worked in the spring; and continue, for a succession, every two weeks up to the end of June; discontinuing until the middle of July, when a good crop can sometimes be secured by sowing an extra-early sort. One quart sows 100 feet of row; 1 $\frac{1}{2}$ bushels to the acre. Matures in 60 to 80 days.



Telephone

551 Telephone ★

THIS is the best main crop pea in existence. The pods are of immense size, of a fine dark green color, much more desirable than the light green of the ordinary Telephone, and are well filled with peas of the largest size, which are tender and deliciously sweet. The vines are tall and sure croppers. Medium early in season; bears a long time; the pods are always of good size, well filled, and the quality is of the very best. Does best when brushed. **Price, large pkt., 10c; 1 lb., 45c; $\frac{1}{2}$ lb., 25c (postpaid).**

Little Gem ★

THE qualities of this pea are so distinctive and many, and the strain such a popular favorite, that its merits are well known to all. It is a dwarf green, wrinkled variety of an exquisite buttery flavor; almost perfection itself. It is a very early sort, of superb quality. Pods are of good size, and well filled. Grow about 18 inches high, and is very prolific. **Price, large pkt., 5c; 1 lb., 30c; $\frac{1}{2}$ lb., 20c (postpaid).**

Dwarf Gray Sugar ★

543 (Edible Podded)

THIS is an edible podded variety. Vines grow only 15 to 18 inches in height, with purplish blossoms. Sugar peas are not shelled, but pods are cooked same as string beans. **Price, large pkt., 5c; 1 lb., 30c; $\frac{1}{2}$ lb., 20c (postpaid).**



Little Gem

555 Horsford's Market Garden ★

ONLY grows 2 feet high; very stocky and requires no brush; a wrinkled variety of superfine quality. The pods, which are borne in pairs, are of good size, and filled with deliciously sweet peas. An excellent variety for all purposes. The fact that this grand pea is in so much demand from market gardeners is in itself a guarantee of its real worth. **Price, large pkt., 5c; 1 lb., 30c; $\frac{1}{2}$ lb., 20c (postpaid).**

Mammoth Melting Sugar ★

544 (Edible Podded) **A**NOTHER edible podded variety. The pods are picked when the peas are only half developed and at that stage there is no stringiness, but are sweet, brittle and appetizing. This variety is quite late, growing 4 to 5 feet high and bearing large pods 4 to 4 $\frac{1}{2}$ inches long, often curved or twisted. **Price, large pkt., 5c; 1 lb., 30c; $\frac{1}{2}$ lb., 20c (postpaid).**

545 Rent Payer ★

APEA without a rival, about 20 inches high, the vines being strong do not require support. Tremendous cropper, the vines being literally covered with fine, long, well-filled pods of a rich dark green color. The flavor of the peas cannot be surpassed. As an exhibition pea, it is ideal. The pods are about 6 inches long, and are usually filled with 9 to 10 well developed peas. We sold more of the Rentpayer peas last season than all the other varieties put together. Will do well in any latitude. **Price, large pkt., 10c; 1 lb., 50c; $\frac{1}{2}$ lb., 30c (postpaid).**

Stratagem ★

AREMARKABLE variety. The vines are strong, vigorous and covered with immense pods, many of which measure as much as 5 inches in length, and containing quite frequently ten fine large, richly flavored, uniform, wrinkled peas. Each seed, as a rule, produces two stalks. Peas are dark greenish color, and retain their tenderness and sweetness. **Price, large pkt., 10c; 1 lb., 40c; $\frac{1}{2}$ lb., 25c (postpaid).**



Horsford's Market Garden

552

Dwarf Telephone or Daisy

THIS grand 20 inch pea is rapidly gaining favor among gardeners of all classes. In habit it is dwarf and stocky. Bears close planting, and requires no sticks or supports. The pods frequently measure 5 inches in length, and are broad, straight and remarkably well filled. A splendid mid-season variety. Price, large pkt., 10c; 1 lb., 45c; $\frac{1}{2}$ lb., 25c (postpaid).

558

Champion of England ★

A main crop variety of vigorous growth, about 4 feet high; producing an abundance of pods of immense peas that are noted for their tenderness and rich, marrow-like flavor. It would indeed be very hard to equal in quality and productiveness this grand old pea. Price, large pkt., 5c; 1 lb., 30c; $\frac{1}{2}$ lb., 20c (postpaid).

554

Thomas Laxton ★

LARGE podded, extra early pea. This fine early pea was raised by crossing Gradus with the Alaska. In earliness the "Thomas Laxton" is only 2 or 3 days behind the Alaska, and the pods are very much larger, containing on the average 7 or 8 large, sweet, wrinkled peas of the very richest flavor. The vines attain a height of from 3 to $3\frac{1}{2}$ feet. Price, large pkt., 1 pkt., 5c; 1 lb., 30c; $\frac{1}{2}$ lb., 20c (postpaid).

548

Nott's Excelsior ★

AGRAND dwarf early pea of the American Wonder type; but a little taller, growing about 14 inches high; producing an abundance of well filled pods in about 48 days from time of sowing. The pods are somewhat larger than the American Wonder, and contain 8 to 9 sweet, dark green peas. Price, large pkt., 5c; 1 lb., 35c; $\frac{1}{2}$ lb., 20c (postpaid).

547

American Wonder ★

THIS is a first class wrinkled pea of very dwarf habit; the vines growing less than 12 inches high. It is exceedingly early, being fit to pick in 6 weeks from the time of sowing. Seed medium size, wrinkled and pale green; flavor delicious and sweet. The vines are literally covered with peas. They can be sown right through the season, and be depended upon to produce fine crops late into the fall. Price, large pkt., 5c; 1 lb., 35c; $\frac{1}{2}$ lb., 20c (postpaid).

549

First and Best

AN extra early pea with a great reputation in all districts. Vines vigorous and hardy, 2 feet high, bearing as many as 7 fine straight pods, each containing 5 to 7 handsome peas of delicious quality; a very heavy cropper, and good drought resister. Price, large pkt., 5c; 1 lb., 30c; $\frac{1}{2}$ lb., 20c (postpaid).

553

Laxtonian ★

THE largest podded of all the early dwarf peas. The dark green pods are similar to the Gradus in shape, and nearly as large in size; they mature earlier and require no support of any kind. Vigorous and very productive, growth about 15 inches; pods are well filled with peas of the finest flavors. Price, large pkt., 10c; 1 lb., 40c; $\frac{1}{2}$ lb., 25c (postpaid).

Champion of England, $\frac{1}{2}$ size

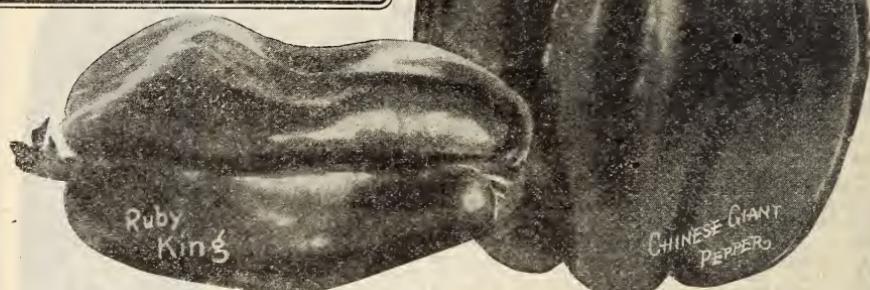
Condensed Table of Garden Peas and Prices

No.	Name	pkt.	$\frac{1}{4}$ lb.	1 lb.
559	Alaska	\$0.05	\$0.20	\$0.30
547	American Wonder	.05	.20	.35
558	Champion of England	.05	.20	.30
543	Dwarf Gray Sugar	.05	.20	.30
552	Dwarf Telephone or Daisy	.10	.25	.45
79	Eversure (see page 23)	.10	.30	.50
549	First and Best	.05	.20	.30
553	Horsford's Market Garden	.05	.20	.30
70	Langport (see page 22)	.10	.30	.50
553	Laxtonian or Dwarf Gradus	.10	.25	.40
557	Little Gem	.05	.20	.30
544	Mammoth Melting Sugar	.05	.20	.30
548	Nott's Excelsior	.05	.20	.35
550	Prosperity or Gradus (see page 14)	.10	.25	.40
545	Rentpayer	.10	.30	.50
546	Stratagem	.10	.25	.40
551	Telephone Improved	.10	.25	.45
554	Thomas Laxton	.05	.20	.30



Thomas Laxton
Garden Pea

Peppers



CULTURE. Peppers are more tender than most vegetables. The seed should be sown in a hotbed, cold frame, or if no other convenience, a box in the window; and transplanted about the last of May. They can be sown in the open ground when the weather becomes warm and settled. Warm, mellow soil, well fertilized. One ounce of seed for about 1500 plants. Matures in 12 to 14 weeks.

594 Chinese Giants ★

A **N** enormous fruiting variety, double the size of Ruby King, average 12 to 15 inches in circumference. Notwithstanding its large size, it is very early and very prolific. Plants are healthy, well branched, about 2 feet high and carry enormous load of fruit, often having the appearance of being bunched together. Flesh is thick, tender, mild and sweet, and is unexcelled for salad or stuffed mangoes. They can be sliced and eaten like tomatoes. When ripe the peppers are a rich, glossy scarlet, making them of unusually fine appearance. Price, large pkt., 5c; 1 oz., 60c; 1/4 lb., \$2.00 (postpaid).

596 Red Chili ★

FRUIT is small, bright red, very hot and pungent. Plants are very productive. Generally used for making pepper sauce. Price, large pkt., 5c; 1 oz., 30c; 1/4 lb., \$1.75 (postpaid).

595 Ruby King ★

THE most popular large fruited pepper. Very prolific. The pods are a beautiful bright red, 5 to 6 inches long, and 3 to 4 inches diameter. Flesh exceedingly thick, sweet, and so mild that it is often sliced as a salad. Splendid for stuffing as mangoes. Price, large pkt., 5c; 1 oz., 60c; 1/4 lb., \$2.00 (postpaid).

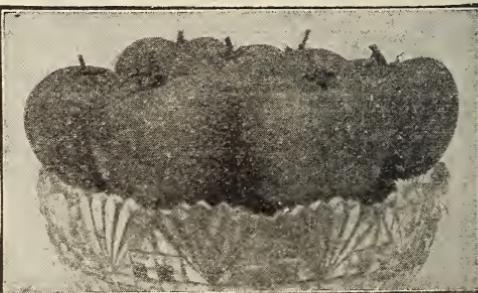


575 Hybridized Potato Seed

GROWING new and distinct seedling potatoes from Seed Ball seed is intensely interesting. They will be the greatest curiosity of your garden. This seed will positively produce innumerable new kinds, colors, shapes, sizes and qualities. The produce will astonish you. Some may be of immense value and bring you a golden harvest. Every farmer, gardener and bright boy should plant a few packets.

This unique mixture comprises select seed from the United States, Germany, Chile, Switzerland, several parts of South America, France, Mexico, Africa, Europe, etc. No potato seed ever offered can compare with it. The multitude of diversified seedlings that can be grown will excite the wonder of all potato growers.

A large share of this incomparable potato seed is direct from Mr. Burbank, the world renowned Hybridizer and Experimenter; the choice product of his almost endless varieties and selections. Full directions on every packet. Price, per pkt., 15c; 2 pkts., 25c; 5 pkts., 60c; 10 pkts., \$1.00 (postpaid).



Waterville, Mass., May 17, 1917.
I am very well pleased with the seeds you sent me. You can look for a big order next season if all goes well.
T. Gunhouse, Box 65.

Stuttgart, Ark., January 29, 1917.
Your seed is best I ever had. Every kernel of seed grew.

Herman Timm.

Grove, Okla., January 22, 1917.
I ordered a few of your seeds last year, they came promptly and gave splendid satisfaction.

Lee Howe, State Representative.

Note What Our Customers Say About Our Pure Seed

Oskaloosa, Iowa, January 25, 1917.

This is my fourth year to order seeds from you and will say that they are the best seeds that I can get.

Rex R. Cruzen.

* * *

South Solon, Ohio, February 19, 1917.

I received the seeds all o. k. Will say that they are the finest seeds I ever saw from any seed house I ever sent to yet. I know now where to get my field and garden seed. They're simply fine.

F. M. Young, R. No. 2.

* * *

Independence, Mo., January 23, 1917.

I will want to get some garden seed this year, as I had seed from you in 1915 and was pleased with the results.

Mrs. Francis Scott.

* * *

Mason, Mich., March 28, 1917.

I have always been well pleased with garden seeds bought of you, and will soon send you another order.

Mrs. Claude Laxton.

* * *

Tobe, Colorado, January 17, 1917.

I used Galloway seed the year of 1915 and they did exceedingly fine, and I will say that you will receive my order this year.

L. C. Fullbright.

* * *

Fall River, Mass., July 5, 1918.

Your Win the War Seed Offer which I received some time ago was certainly the biggest dollar's worth of seed I ever bought, and I want to tell you that everything has done fine.

Geo. W. Hinckley.

* * *

Spring Valley, Wis., July 14, 1918.

I have reason to be more proud of my garden this summer than any of my other gardens before, due to the splendid quality of the garden seeds I ordered from you.

Mrs. Norman Fetting.

* * *

San Saba, Tex., July 9, 1918.

Your seed was fine here. I ordered 3 lbs. of beet seed from you and sold from them \$158 worth.

John Madison, R. 3.

Alma, Mo., January 8, 1917.

We used your seed last year and were well pleased with it.

Mr. L. C. Fischer.

* * *

Mt. Pulaski, Ill., January 4, 1917.

Purchased flowers of you last year. All grew fine.

Mrs. Boyd Hahn, Box 73.

* * *

Ft. Pierre, So. Dak., December 26, 1917.

The best garden I ever had last year, and I planted your seeds.

Mr. C. H. McMullen.

* * *

Loretto, Neb., January 31, 1917.

We got seed and bulbs from you once before, and were so well pleased that we will send you another order.

Mrs. Frank Blough.

* * *

Fair Play, Mo., January 11, 1917.

I like your seeds fine, and want to order quite a lot of seeds this spring.

Mrs. T. W. Tindle, Route 1.

* * *

Jeffersonville, Vt., January 19, 1917.

We have splendid luck with your seeds, and wish to select our seeds early.

Mrs. T. S. Cummings, Route 2.

* * *

Daylesford, Penna.

Berwyn P. O., July 17, 1918.

I want to impress you with the assurance that your seeds have given entire satisfaction. I have a delightful garden, although this is my first attempt. Almost everything we planted thrived wonderfully. I use your garden guide continually and I would not be without it.

David A. Mitchell.

* * *

Princess Bay, Staten Island, N. Y.

May 18, 1918.

The seed I had last year were all splendid and everything did so well.

Mrs. E. E. Simonson, Woodvale Ave.

* * *

New Haven, Conn., April 4, 1918.

I have used your seed for five years and think there is nothing better.

Geo. O. Ranney,
267 Winchester Ave.

Radishes

Saxa ★ See Page 12 for This Star Quality
Radish

625

NICE medium size; bright scarlet; crisp and of excellent flavor. We do not know of a better radish for the table. This is also a fine variety for the market gardener, as they grow very uniform and are very attractive in appearance, which insures a ready sale. They retain their crispness a considerable time after maturity. Price, pkt., 5c; oz., 15c; 1/4 lb., 50c; 1/2 lb., 95c; 1 lb., \$1.80 (postpaid).

ICICLE



610

THE best known of all the long radishes; color bright scarlet; length 5 to 6 inches; matures in about 22 days from sowing, and can be used before it is fully grown. The roots grow about one-third out of the ground, and are very uniform in shape. An excellent variety for either the market or the home garden. Price, large pkt., 5c; 1 oz., 10c; 1/4 lb., 35c; 1/2 lb., 65c; 1 lb., \$1.20 (postpaid).

611 Selected French Breakfast ★

A VERY fine radish of the oblong type, scarlet in color, with a white tip; very much in demand, owing to its very attractive appearance. It matures very quickly, is sweet, crisp solid and tender; a fine table variety, and has a very ready sale on the market. Price, large pkt., 5c; 1 oz., 15c; 1/4 lb., 50c; 1/2 lb., 95c; 1 lb., \$1.80 (postpaid).

608 Early Scarlet Globe

A N exceptionally fine radish of the Scarlet Globe type, but growing much larger; single roots, weighing up to an ounce each, or 3 to 4 times the size of the old Scarlet Globe varieties. Price, large pkt., 5c; 1 oz., 20c; 1/4 lb., 60c; 1/2 lb., \$1.10; 1 lb., \$2.00 (postpaid).

612 Scarlet Turnip White Tip ★

PERFECT globe shape, uniform in every way; color scarlet, white tipped; crisp, mild flavored and in every respect superior to all others of this type. Very early and equally desirable for outdoor culture and forcing under glass; in flavor no other radishes excel, it being crisp, sweet, mild and delicate. An All radish in every way. Price, large pkt., 5c; 1 oz., 20c; 1/4 lb., 60c; 1/2 lb., \$1.10; 1 lb., \$2.00 (postpaid).

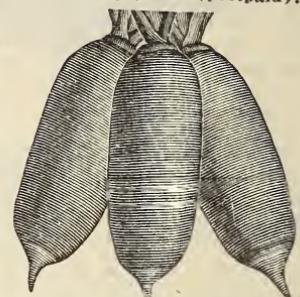
607 Improved Long Icicle

WITHOUT doubt the best of all radishes. A fine transparent white, growing from 4 to 6 inches long; with small top, which allows of close planting; are very crisp and brittle. Price, large pkt., 5c; 1 oz., 20c; 1/4 lb., 60c; 1/2 lb., \$1.10; 1 lb., \$2.00 (postpaid).

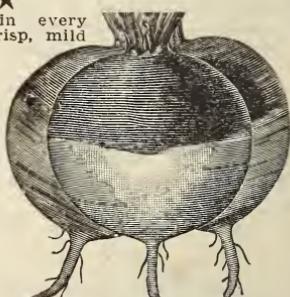
622

Sparkler

A DISTINCT, new 18 to 21 day scarlet top, with tip of purest white. It is solid, crisp and sweet, remaining so for a long time. Price, large pkt., 5c; 1 oz., 15c; 1/4 lb., 50c; 1/2 lb., 95c; 1 lb., \$1.80 (postpaid).



Early Olive Shaped Scarlet



Scarlet Turnip White Tipped

Radish

No.	Name	pkt.	oz.	1/4 lb.	1/2 lb.	lb.
608	Early Scarlet Globe . . .	\$0.05	\$0.20	\$0.60	\$1.10	\$2.00
611	French Breakfast . . .	.05	.15	.50	.95	1.80
613	Icy Gem . . . . .	.05	.10	.40	.70	1.35
607	Long Icicle . . . . .	.05	.20	.60	1.10	2.00
610	Long Scarlet Short Top . . .	.05	.10	.35	.65	1.20
621	Saxa (see page 12) . . . . .	.10	.20	...	...	...
612	Scarlet Turnip White Tipped . . .	.05	.20	.60	1.10	2.00
622	Sparkler . . . . .	.05	.15	.50	.95	1.80
623	White Box . . . . .	.05	.10	.40	.70	1.35
609	White Strasburg . . . . .	.05	.10	.40	.70	1.35
624	White Turnip . . . . .	.05	.10	.40	.70	1.35
63	Nonsuch Mixed . . . . .	.05	.10	.30	.55	1.00
625	Early Olive Shaped Scarlet . . .	.05	.15	.50	.95	1.80

Radish (Winter)

No.	Name	pkt.	oz.	1/4 lb.
614	California Mammoth White . . .	\$0.05	\$0.10	\$0.50
615	Half Long Black Spanish . . .	.05	.10	.50
616	Long Black Spanish . . . . .	.05	.10	.50
617	Long White Spanish . . . . .	.05	.10	.50
619	Rose China . . . . .	.05	.10	.50
618	Round Black Spanish . . . . .	.05	.10	.50
620	White Chinese or New Celestial . . . . .	.05	.10	.50

Rhubarb—Spinach—Salsify

Rhubarb

630 (Pie Plant)—Victoria

ABSOLUTELY the best either for forcing or for outdoor culture. A good many "fake" new varieties of this popular plant have been thrown upon the market during the past few years, but we say without hesitation that Victoria is the best all round Rhubarb in cultivation today. When grown out of doors the stems are a nice rich red color; when forced under greenhouse stages the stems are much paler and during the winter months fetch much higher prices than when grown outside. Price, large pkt., 5c; 1 oz., 15c; $\frac{1}{4}$ lb., 40c, postpaid.

Salsify

640 or Vegetable Oyster—Sandwich Island

WHEN properly cooked it is a good substitute for oysters in taste and flavor and is very nutritious. Salsify will keep finely through the Winter, in the ground where grown in exactly the same manner as Parsnips. The roots are perfectly hardy, in fact they are best after the frost has touched them.

When cooking the roots (a small piece of Codfish which should be discarded when the Salsify is done, boiled with them strengthens the oyster flavor); when cold, mash and fry as patties or fritters. This vegetable is also good stewed, plain boiled, and also as a salad, sliced raw in vinegar with pepper and salt. Price, large pkt., 5c; 1 oz., 30c; $\frac{1}{4}$ lb., \$1.00, postpaid.

Spinach

60 Galloway's Summer Prolific (Drought Resisting)

MOST people like spinach and try to raise it, but the common trouble most growers have to contend with is drought pest as the spinach is commencing to mature. Very few varieties of spinach seem able to withstand a long spell of hot dry weather, they usually dry up or turn to seed. Our Summer Prolific has been thoroughly tried out for two seasons at our Experimental Station and we believe it is the very best drought resisting kind on the market. It is a very prolific grower, producing nice bunches of delightfully sweet, juicy, greens of a delightfully dark green color. This fine spinach lacks the objectionable strong, bitter flavor of some of the common types. A successional sowing during the summer months will insure a good supply of this nice, wholesome vegetable during the hottest summer months. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 60c; 1 lb., \$2.00.

Condensed Table of Spinach Prices

No.	Name	Pkt.	Oz.	$\frac{1}{4}$ Lb.	Lb.
650	Bloomsdale	\$0.05	\$0.20	\$0.60	\$2.00
654	Everlasting	.05	.20	.65	2.50
652	Long Season	.05	.20	.60	2.00
653	Long Standing Prickly	.05	.20	.60	2.00
651	Long Standing Round	.05	.20	.60	2.00
655	New Zealand	.05	.20	.65	2.50
60	Summer Prolific	.05	.20	.60	2.00

Look at These
Fine Peas and
Beans!

This fine crop of garden peas and garden beans shows that its grower knows how to and can produce immense crops of these two fine vegetables. The tall peas are properly staked up and by being planted between beans it permits the sun and air to get at all sides of the peas and make them heavier croppers. Nitragin inoculation on the seed will produce heavy crops like this.



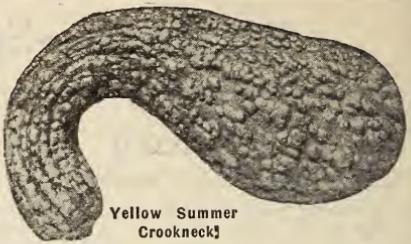
Squash

Chicago Warted Hubbard ★

665

Winter

THE most popular of the whole squash family. Our stock is northern grown and specially selected for us by an expert grower. The vines are vigorous and bear a large number of handsome pear-shaped fruits, all nicely warted and a rich dark green color. The flesh is a bright orange-yellow, fine grained, very dry, sweet and rich flavored. Price, large pkt., 5c; 1 oz., 15c; $\frac{1}{4}$ lb., 45c; $\frac{1}{2}$ lb., 80c; 1 lb., \$1.50 (postpaid).



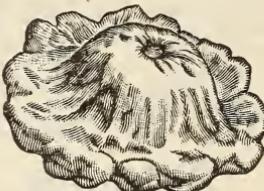
Yellow Summer Crookneck

White Bush ★

669

Summer

OF round scalloped form with an ivory white skin. Has an abundance of meat of very fine flavor. One of the earliest to mature, and is very prolific, bearing continually until killed by frost. Price, pkt., 5c; 1 oz., 15c; $\frac{1}{4}$ lb., 40c; $\frac{1}{2}$ lb., 70c; 1 lb., \$1.30 (postpaid).



Early White Bush Squash

Yellow Summer Crook Neck ★

668

Summer

SHAPED like a club with a bent neck. The skin is very rough and warted, of an orange yellow color. Much preferred by the cook on account of its very dry meat when boiled. This is a variety with a running vine. Price, pkt., 5c; 1 oz., 20c; $\frac{1}{4}$ lb., 50c; $\frac{1}{2}$ lb., 90c; 1 lb., \$1.70 (postpaid).

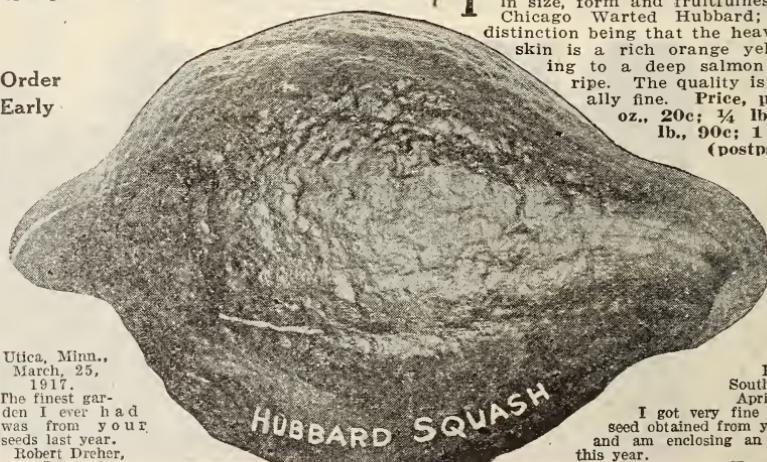
Galloway's Special Delicious ★

666

Winter

WELL named, as it has the finest flavor of any squash, of oblong shape with a deep green skin and thin rind, with a seed cavity so small that it almost meets in the center. One of the best winter keepers; grown extensively for market; when matured it weighs from 5 to 10 pounds, and is in its prime during the early winter. Price, pkt., 5c; 1 oz., 20c; $\frac{1}{4}$ lb., 50c; $\frac{1}{2}$ lb., 90c; 1 lb., \$1.70 (postpaid).

Order
Early



Utica, Minn.,
March, 25,
1917.

The finest garden I ever had was from your seeds last year.
Robert Dreher,
Route 2.

Eastwood,
South Australia,
April 30, 1917.

I got very fine results from seed obtained from you last year, and am enclosing an order again this year.

Ken J. Miller.

Turnips and Rutabagas

725 Purple Top Strap Leaf

ENORMOUS quantities of this celebrated turnip are sold every year, leading seed houses sending out many tons in single season. It is also an excellent stock variety. It is fine grained and of delicious flavor, flesh white and crisp. The skin is purple above ground, white under; excellent variety for late fall sowing and for winter use. Will form good sized bulb in six weeks from time of sowing. Bulbs rather flat. Price, large pkt., 5c; 1 oz., 10c; $\frac{1}{4}$ lb., 40c; 1 lb., \$1.40 (postpaid).

AHANDSOME and salable turnip, ideal either for the home or the market. It is a rapid grower, globular in shape; flesh, pure white and delicious, sweet flavor; the skin is white with purple top. A very heavy yielder and excellent keeper, extensively grown and pitted for fall and winter use. Price, large pkt., 5c; 1 oz., 15c; $\frac{1}{4}$ lb., 55c; 1 lb., \$2.00 (postpaid).

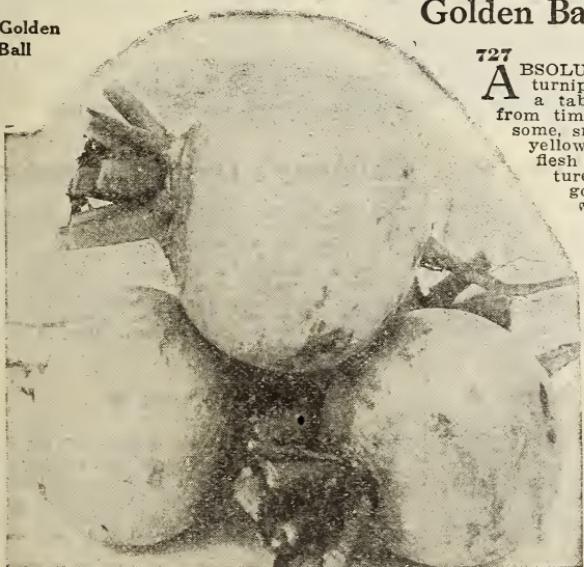
Rutabagas

or Swedish Turnips

Kelway's Favorite Model

THIS variety is an enormous cropper and the highest quality Rutabaga in cultivation. It possesses very hard, sound flesh. It grows freely in all kinds of soil. It is globe shaped, with a neat short neck, and a clean single tap root. If you sow this seed, you may safely rely upon a record crop. Price, large pkt., 5c; 1 oz., 15c; $\frac{1}{4}$ lb., 60c; 1 lb., \$2.00 (postpaid).

Golden Ball
Ball



Purple Top
Strap Leaf

726 Purple Top White Globe

Early Snowball Turnip

FINEST white fleshed early table turnip grown. Perfectly round, about the size of a small table beet; skin a nice clean, white color. Flesh is pure white, crisp, tender and sweet. We know of no table turnip likely to please the housewife more than our Early Snowball. In their raw state they are veritable thirst quenchers. Price, large pkt., 5c; 1 oz., 15c; $\frac{1}{4}$ lb., 55c; 1 lb., \$2.00 (postpaid).

Condensed List of Turnips and Rutabagas

No.	Name	Pkt.	Oz.	$\frac{1}{4}$ lb.	1 lb.
729	Cow Horn		\$0.05	\$0.15	\$0.50
728	Early Snowball		.05	.15	.55
730	Early White Flat Dutch		.05	.10	.35
727	Golden Ball or Orange Jelly		.05	.10	.35
731	Improved White Globe		.05	.10	.40
725	Purple Top Strap Leaf		.05	.10	.40
726	Purple Top White Globe		.05	.15	.55
62	Home Garden Mixture			.10	.35

Rutabaga

No.	Name	Pkt.	Oz.	$\frac{1}{4}$ lb.	1 lb.
745	American Purple Top	\$0.05	\$0.15	\$0.60	\$2.00
743	Hurst's Monarch		.05	.10	.40
742	Kelway's Model		.05	.15	.60
744	Sweet German		.05	.10	.40

Golden Ball or Orange Jelly Turnip

727 ABSOLUTELY the best golden fleshed turnip in existence. It is distinctly a table variety. Matures 6 weeks from time of sowing, producing handsome, small, round roots, with smooth yellow skin and very small tap root; flesh deep yellow, fine grained texture, tender, sweet and rich. A good companion turnip to sow with Early Snowball, both maturing together. Being of quick growth it is finely adapted for spring, summer or early autumn planting. Price, large pkt., 5c; 1 oz., 10c; $\frac{1}{4}$ lb., 35c; 1 lb., \$1.25 (postpaid).

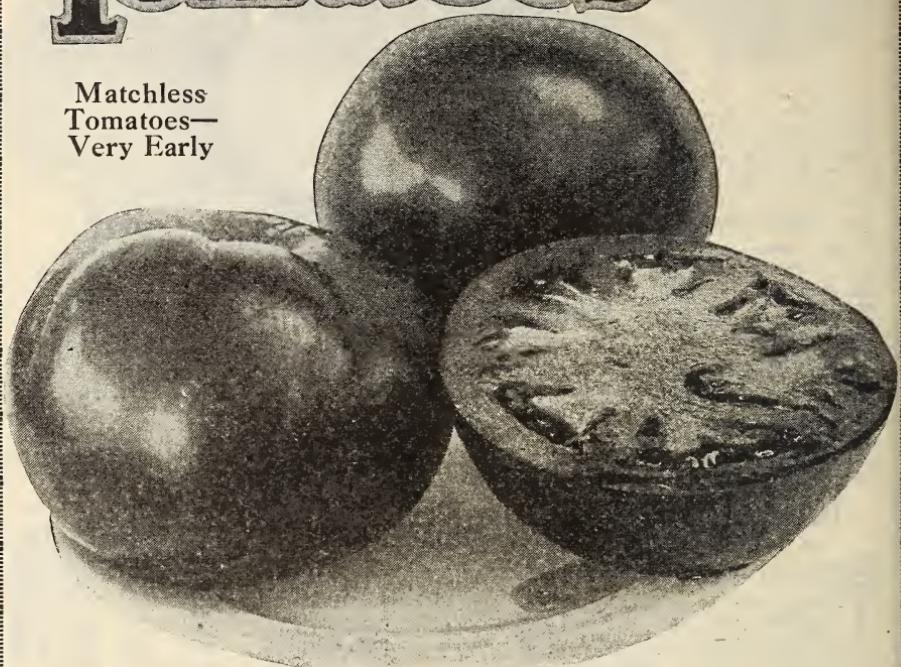
Imported Hurst's Monarch

743 HE heaviest yielding yellow flesh kind in cultivation; exclusively grown for stock feeding; it is oblong in shape and very hard. Keeps better than the round kind. Yields about 7 tons per acre more than any other kind of Rutabaga.

Tomatoes

Culture: How to grow tomatoes, on page 23, is for every tomato lover.

Matchless
Tomatoes—
Very Early



Galloway's Extra Early Garden King ★

61 AFTER having tried out all the tomatoes on the market, we have decided that Galloway's Garden King stands indisputably at the head of them all for all purposes. It is exceptionally early, the fruits are large and handsome in appearance, being a deep, rich red color. It is quite free from coarse core and the flesh is sweet and juicy right through. If properly cared for, tomatoes weighing $\frac{3}{4}$ to 1 pound can be confidently expected. An excellent feature about this tomato is the fact that although it grows to an enormous size, very few of the fruits crack. The plants root well right from the beginning of their growth, and develop rapidly into fine sturdy plants, which break into bloom several weeks earlier than other varieties. You will be neglecting your own interests if you don't give our Extra Early Garden King tomato a trial. Price, pkt., 15c; 1 oz., 60c (postpaid).

Galloway's Matchless ★

702 **A**S an early tomato Galloway's Matchless stands without a superior. The fruits are borne in large clusters, the stems being completely weighted down with them. They are perfectly round in shape, scarlet color and perfectly smooth. The flesh is solid, of perfect flavor and almost coreless. The skin is fairly tough, making it an ideal variety for shipping and keeping. Price, large pkt., 5c; 1 oz., 25c (postpaid).

Galloway's New Stone ★

705 **T**HE largest perfectly smooth, highest yielding, best keeping and finest flavored main crop tomato in existence. The fruit is very large, color bright scarlet, ripening even to the skin without a crack; flesh is firm and solid. An excellent shipper, quality the best, not subject to rot. Price, large pkt., 10c; 1 oz., 25c (postpaid).

Galloway's Dwarf Champion

703 **T**HE famous Dwarf Champion tomato owes its wide popularity to its stiff, vigorous, upright growth; with fruit well above the soil, and to its earliness. In color the fruit is a purplish red, and it is always round, smooth and symmetrical; size medium; table quality superior; a good shipper. It is one of the best so-called tree tomatoes. Price, large pkt., 10c; 1 oz., 25c (postpaid).

Ponderosa ★

704 **T**HIS is perhaps the largest of all tomatoes, and is of very fine quality for slicing. The fruit is oblong in shape and deep purple in color; very solid and fleshy with small seed cells. Flavor is very fine. Price, large pkt., 10c; 1 oz., 30c (postpaid).

Yellow Husk or Ground Cherry

707 **T**HIS fruit has a pleasant strawberry-like flavor; is much relished raw, but generally used for preserves, for which it is excellent. The small yellow fruits are enclosed in a husk or covering, and when ripe are $\frac{1}{2}$ inch in diameter; and may be kept all the winter if the husks are not removed. Price, large pkt., 5c; 1 oz., 30c (postpaid).

Golden Queen

706 **S**OLID, smooth, large in size and ripens early. Makes a handsome, rich preserve. Its flavor is better and more delicate than that of the red varieties; the flesh finer-grained, and very tender. Price, large pkt., 10c; 1 oz., 40c (postpaid).

Fruit Shaped Tomatoes

Yellow Cherry

708 **A** SMALL-FRUITED, bright golden-yellow variety; very attractive for salads and preserves. Price, pkt., 5c; 1 oz., 30c (postpaid).

Peach

710 **T**HESE are excellent for eating raw. The fruits resemble a peach, even to the skin which is covered with a slight bloom as in a peach or nectarine. Price, large pkt., 5c; 1 oz., 30c (postpaid).

Yellow Plum

711 **F**RUITs are yellow, plum-shaped, growing in clusters. Excellent. Price, large pkt., 5c; 1 oz., 30c (postpaid).

Red Cherry *

712 **I**DENTICAL with the Yellow Cherry, except in color of fruit, which is of a light scarlet. Price, large pkt., 5c; 1 oz., 30c (postpaid).

June Pink

713 **T**HE most desirable of the pink varieties, producing its fruit in clusters; ripens early, of fair size and continues bearing until frost. Price, large pkt., 5c; 1 oz., 30c (postpaid).

Spark's Earliana

715 **T**HIS is the earliest red tomato known; it is originated with G. W. Sparks, of Salem County, New Jersey, which is the center of the great tomato growing district of New Jersey. The fruits are of a deep scarlet color, produced in clusters of five to eight, averaging $2\frac{1}{2}$ inches in diameter, and quite solid. Price, large pkt., 10c; 1 oz., 30c (postpaid).

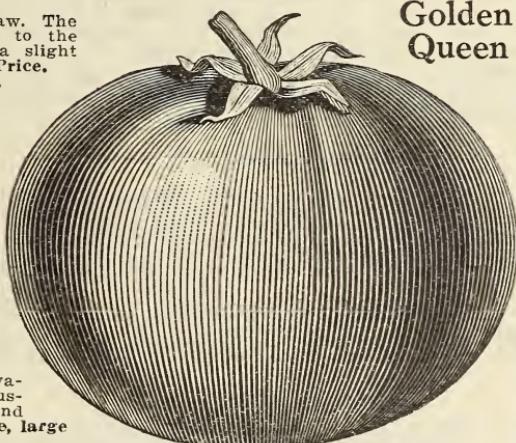
Bonnie Best

714 **A** VERY beautiful tomato of the early variety, following the Earliana in ripening; fruit bright scarlet, solid, very productive and attractive; is suitable for both an early and main crop. Price, large pkt., 10c; 1 oz., 30c (postpaid).

Yellow Pear

709 **A** SMALL-FRUITED variety, which is golden-yellow. It is very useful for salads, when the fruit is cut lengthwise. Price, large pkt., 5c; 1 oz., 30c (postpaid).

Golden Queen



January 5, 1917.

I want to thank you for the seeds I got from you last spring. They were fine, and every seed grew.

Mr. George D. Martin,
Route No. 1, Shiloh, Ohio.

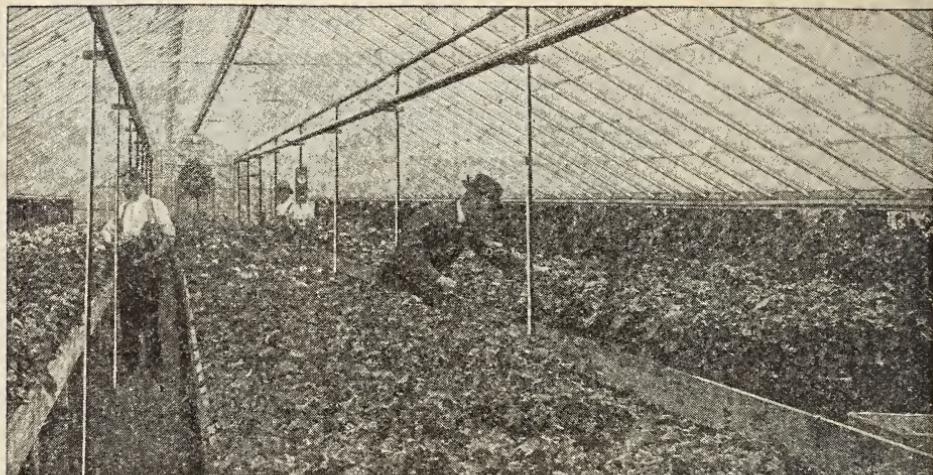
December 28, 1916.

Mr. Wm. Gebers of Adair, Iowa, sent me a few of Stock Beet seeds, purchased from you, and they did fine here.

Mr. Louis J. Baerthel,
Powder River, Wyoming.

Price List of Above and Other Standard Varieties

No.	Name	pkt.	2 pkts.	oz.
714	Bonnie Best	\$0.10	\$0.15	\$0.30
703	Dwarf Champion	.10	.15	.25
715	Earliana	.10	.15	.30
61	Extra Early Garden King	.15	.25	.60
706	Golden Queen	.10	.15	.40
713	June Pink	.05	...	.30
702	Matchless	.05	...	.25
705	New Stone	.10	.15	.25
710	Peach	.05	...	.30
704	Ponderosa	.10	.15	.30
78	Porterhouse (see page 21)	.20	.35	.60
712	Red Cherry	.05	...	.30
716	Red Pear	.05	...	.30
708	Yellow Cherry	.05	...	.30
707	Yellow Husk or Ground Cherry	.05	...	.30
709	Yellow Pear	.05	...	.30
711	Yellow Plum	.05	...	.30



Vegetable Plants and Roots

We make a specialty of growing good strong vegetable plants, and are in position to offer our customers good plants for delivery as soon as they are ready in the spring. Customers will oblige us by placing their orders early, so we can arrange for a sufficient supply. Last year a great many of our customers were disappointed in not being able to secure these plants. We had orders for 30,000 to 40,000 plants which we were unable to deliver.

If such orders are sent in early, we can make provisions and have them ready at the proper time. We expect to be able to supply most of the plants by about May 10th; celery plants about June 6th.

CABBAGE PLANTS

		Postpaid 100 plants	Express collect 1000 plants
4000	Early Jersey Wakefield—The earliest and surest heading of all the cabbages	55c	\$4.50
4001	Early Winningstadt—A very good early cabbage.....	55c	4.50
4002	Premium Late Flat Dutch—A very late variety. The best of its kind grown.....	55c	4.50
4003	Imported Hollander or Ballhead—The best market variety.....	55c	4.50

CAULIFLOWER PLANTS

		Postpaid 100 plants	Express collect 1000 plants
4004	King Of The Market—A very good early variety for forcing.....	\$1.00	\$8.50
4005	Early Snowball—The best cauliflower grown.....	1.00	8.50

ASPARAGUS ROOTS

		Postpaid 25 roots	Postpaid 50 roots	Express collect 100 roots
4014	Bonaveltt's Giant—A valuable new variety and is being planted very largely. It is very early, twice the size of the ordinary variety, of excellent flavor, and especially valuable for market purposes	60c	\$1.00	\$0.65 \$5.00

RHUBARB OR PIE PLANT ROOTS

		Postpaid per dozen roots	Express collect 100 roots
4015	Myatt's Linnaeaus—A very early variety, tender and delicately flavored. Requires less sugar than any other variety. Strong 2-year-old plants.....	80c	\$3.50

TOMATO PLANTS

		Postpaid per dozen	Postpaid 100 plants	Express collect 1000 plants
4007	Matchless—A high class, early and a superior variety.....	40c	\$1.50	\$10.00
4008	Dwarf Champion—A very famous dwarf variety.....	40c	1.50	10.00
4009	Ponderosa—The largest of all tomatoes.....	40c	1.50	10.00
4010	New Stone—The best main crop variety.....	40c	1.50	10.00

CELERY PLANTS

		Postpaid 100 plants	Express collect 1000 plants
4011	Imported Solid Crystal White—A great solid white variety. A great market variety	\$1.00	\$9.00
4012	Golden Self-Blanching—The leading variety in America	1.00	9.00

EGG PLANTS

		Postpaid 100 plants	Express collect 1000 plants
4013	New York Improved Purple—The leading Egg Plant for home and market use	\$1.50	\$10.00

Galloway's Special Plant Foods

For the Lawn, Garden, House Plants, Etc.

Lawn Life—The Great Lawn Fertilizer

Especially Prepared by Our Mr. Hall, Seed Expert

We have prepared a Special Lawn Fertilizer, which we have used upon our own Lawns and Playing Grounds during the Spring and Summer to great advantage. The grass which was in very poor shape and of unhealthy color, after two or three treatments soon began to improve and during the summer was a beautiful carpet of delightfully rich, dark green grass; something good to look upon, the admiration and envy of all who saw it and a real pleasure to tread upon. Now if your lawn or grass patch is in bad shape just let us send you a bag of our matchless Fertilizer. It certainly will do for your lawn what it did for ours. Many a good grass patch is spoiled for lack of a little plant food. Price, 5 lbs. (sufficient for 200 sq. ft.), 30c; 10 lbs., 90c; 50 lbs., \$2.75; 100 lbs., \$5.00.

Special Plant Food for Flowering Plants

Flowering plants in pots, garden vases, window boxes, hedges, etc., need food of an organic nature. A food that can, like rich soil, be absorbed entirely by the plants. It must be fed to them regularly and not all at one dose. To start a young plant in a large pot filled with richly fertilized soil and expect it to live from then on without further attention and food, is like feeding a baby several pounds of beef steak at one meal and expect it to live and do well the balance of its life. To supply chemical fertilizers or stimulants to plants of this nature, is like furnishing whiskey or brandy to a hungry or tired man. It is a temporary relief only, and a detriment instead of a help. A healthy thriving plant will take out the food supply stored in a small amount of soil within reach of its roots in short order. To live, thrive, and flourish, it needs a rich and nutritious, readily assimilated, and easily digested, organic plant food, fed to it at regular intervals. A food that will make plant life itself and that will bring forth rich colored, healthy foliage and verdure, and an abundance of highly colored, well marked and beautiful flowers. Price, 1 lb., 30c; 2 lbs., 45c. Directions with each packet.

Galloway's Special Tomato Fertilizer

Makes Tomato Plants Healthy and Productive

We have many calls during the season for special plant foods, an especially large number calling for a fertilizer particularly suited to the production of strong, healthy, heavy-bearing tomatoes.

We are glad to be able to offer a plant food that we consider just the kind to insure the growing of plants and the bearing of fruit that we all delight to see. This fertilizer not only will give health to the vines and stimulate their growth, but will also increase the size and improve the color of the fruit.

This fertilizer is just what the home gardener needs to insure keeping his soil up to condition. Price, 5 lbs., \$1.00; 10 lbs., \$1.85; 50 lbs., \$7.50. Directions with each bag.

Galloway's Special Garden Fertilizer

For all Garden Crops

We strongly recommend this compound fertilizer for use in home gardens. It is a safe and reliable fertilizer, and can be depended upon to improve the plant growth and increase the vegetable crops of the home garden tremendously.

So many home gardeners are unable to secure stable manure and other fertilizers that they will find our Special Garden Fertilizer a very convenient and inexpensive way of improving the plant food content of their gardens. Price, 5 lbs., \$1.00; 10 lbs., \$1.85; 50 lbs., \$7.50. Directions with each bag.

Every Garden a Medicine Chest

Every man who has a kitchen garden has a medicine chest in his back yard, although he probably has not seriously looked upon it as such. In the onion, for example, he has a sulphur oil which gives the onion its reputation as a remedy for insomnia, and which some physicians hold is a valuable anodyne for "rheumatic" pains. There are certain oils in turnips and parsnips that have aperient and diuretic properties. There is solanin in the potato, and spinach contains iron. Cabbage is highly regarded as a preventive and corrective of scurvy and scrofula. The composition of the tomato is chemically so subtle that it is not yet fully understood, although several active principals have been isolated and names have been given to them. Thus the person who eats freely of vegetables is taking medicine without paying for a prescription and without being bothered by the high cost of drugs. In other words vegetable eaters are taking daily doses of Nature's correctives. In the normal individual the instinctive appetite automatically regulates the size of the dose.

Our Customers Say:

EDGAR N. MALBONE, OLD TOWN CROSSING, NORFOLK CO., VIRGINIA. We are very well pleased with your seed so far compared with local dealers in our town and wish to say that your seeds are superior to those in this section and we are distributing your catalogs and giving a boost everywhere and hope to continue ordering through the season.

March 30, 1918.

FRED. H. PAWLING, R. 4, HOOPER, NEBR. If I had to plant garden without Galloway seeds I couldn't raise a thing. Your garden seeds are the kind that grow. Early Red Valentine beans bore two full crops of string beans last year, from one planting, and that's going some. Last crop was ready for use in September.

MRS. HARRY RIDGUAY, DERBY, OHIO. I ordered some Sweet Peas of you last year and they were surely beautiful.

April 6, 1918.

MRS. JULIA M. HAMILTON, PALMER CENTER, MASS. You ought to have seen my beautiful flower bed last summer, sown from Galloway's flower seeds. Everybody admired it. The asters, petunias and cosmos were lovely and my portulaca were something grand.

January 25, 1918.

C. M. HODGE, COLDWATER, MISS. I have used your garden seed for several years and find them to be the best I have ever been able to get. I might find seed that is cheaper, but it is more economical to pay the price for good seed than to have sorry seed sent to me. I planted the Prizetaker and Galloway's Waterloo Wonder onions the past two years and have raised the largest onions I have seen grown in this country, and they are both fine flavored. I always recommend anyone wishing to buy good pure seed to order from Galloway Bros.

January 24, 1918.

E. LEADLAY, 105 HOWARD PARK AVE., TORONTO, CANADA. Your unique catalog for 1918 received and I very much appreciate your thoughtfulness in remembering me. I might say that the seeds and bulbs which we received from you last year gave entire satisfaction; and partly through your pure seeds, and partly through our own exertions, we managed to carry away 12 prizes from the High Park Horticultural Society.

September 3, 1918.

E. K. McLAIN, 913 JAMES ST., WEBSTER CITY, IOWA. The apple trees I got from you last spring are doing fine. They were in fine shape when I received them. Some of our neighbors thought we were foolish and that we would have all our work for nothing, but they think different now when they see how well our trees are doing. We thank you very much for the fine way they were put up and the promptness in shipment.

September 8, 1918.

MRS. E. W. LOEHL, 934 SHEPHERD ST. N. W., WASHINGTON, D. C. My neighbor bought quite a few seeds and trees from you and everything grew and produced fine.

August 7, 1918.

MRS. JOHN JANISCH, ELLSWORTH, WISC. I received the plants in good shape and they are doing fine. I wish you could see them.

January 2, 1918.

C. S. MITCHELL, SWANBURG, MINN. I have been getting seeds from you for the past six years and have found them the best by far.

January 1, 1918.

R. H. COOPER, 22 SHERMAN ST., WEST CHICAGO, ILL. Please send me your 1918 seed book. Ordered some seed last year and I got fine results from each and every kind used. Your seeds are perfectly satisfactory in every respect, and the service in mailing them out is very prompt.

Grow Your Own Vegetables

Cut down your living expenses. You'll be astonished how easy it is to save time, labor, and money, and get bigger and better crops when you use

PLANET JR. GARDEN TOOLS

No. 4 Planet Jr. Combined Hill and Drill Seeder, Wheel Hoe, Cultivator and Plow

\$19.50



Soon pays for itself in the family garden as well as in the large acreage. Sows all garden seeds (in drills or in hills), plows, opens furrows and covers them, hoes and cultivates quickly and easily all through the season.

No. 25 Planet Jr. Combined Hill and Drill Seeder, Double Wheel Hoe, Cultivator and Plow

\$23.00



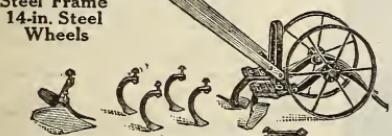
A splendid combination for the family garden, onion grower, or large gardener. It is a perfect seeder, and combined double and single wheel hoe.

No. 12 Planet Jr. Double Wheel Hoe, Cultivator and Plow

Price

\$12.50

Steel Frame
14-in. Steel
Wheels



A single and double wheel-hoe in one. The plows open furrows and cover them. The cultivator teeth work deep or shallow. The hoes are wonderful weed killers. The rakes do fine cultivation. Unbreakable steel frame. The greatest hand-cultivating tool in the world.

No. 31 Planet Jr. Combined Drill Seeder and Single Wheel Hoe Price Complete

\$13.00



This new tool is of great value to gardeners who have never felt able to own either a seed drill or a wheel hoe. It will sow even a small packet of garden seed with great precision. Quickly changed to a splendid wheel hoe. A special machine for the small gardener.

No. 17 Planet Jr. Single Wheel Hoe, Cultivator and Plow

\$8.75



The highest type of Single Wheel Hoe made. Light but strong, and can be used by man, woman, or boy. Will do all the cultivation in your garden in the easiest, quickest and best way. Indestructible steel frame.

Planet Jr. No. 19 Single Wheel Hoe

\$6.25



This combination will delight the suburbanite, the growing boy, women, younger or older, who will find it a light running wheel hoe that will save them hard work and help much to supply the table with fine vegetables.

New 72-page Catalog, free. Describes over 70 seeding and cultivating tools. Write for it!

Lilies HOW TO GROW THEM

Bulbs should be planted as soon as the frost is out of the ground; the earlier the better. Select a well-drained spot, dig the soil deep and make it fine, enriching it abundantly with well-rotted cow manure, adding a liberal mixture of sand. Set the bulbs from three to five inches deep according to size. During the winter it is advisable to cover the surface of the bed with a thin layer of manure which will afford a slight protection to the bulbs and also materially enrich the soil.

3013 *Lilium Lancifolium Album*

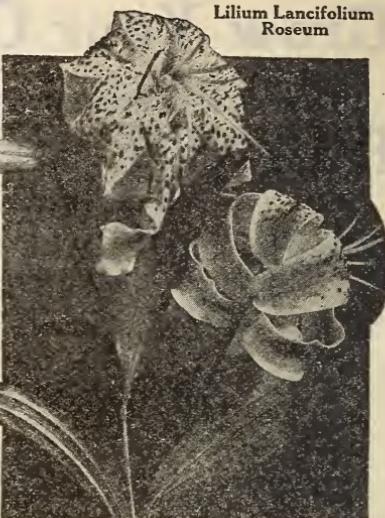
A PURE white lily with greenish band through the center of each petal. The Speciosums are amongst the most beautiful of the Japanese Lilies. The broad recurved petals are thickly dotted or banded and the graceful form, brilliant coloring and sweet fragrance makes this class of lily one of the most effective and desirable of the whole lily family. Large bulbs (postpaid), each, 20c; per dozen, \$2.00.

3014 *Lilium Lancifolium Roseum*

THIS is a very beautiful lily of the Speciosum type. The rich rose spots on pure white have a very striking effect. When grown in clusters together with the album and rubrum they are charmingly effective. They are perfectly hardy. Large bulbs (postpaid), each, 20c; per dozen, \$2.00.

3015 *Lilium Lancifolium Rubrum*

THIS lily in habit and form resembles in every way the album and roseum except in color. The beautiful large flowers are spotted and splashed with deep, rich crimson upon a white background, giving them a very attractive appearance. Large bulbs (postpaid), each, 20c; per dozen, \$2.00.

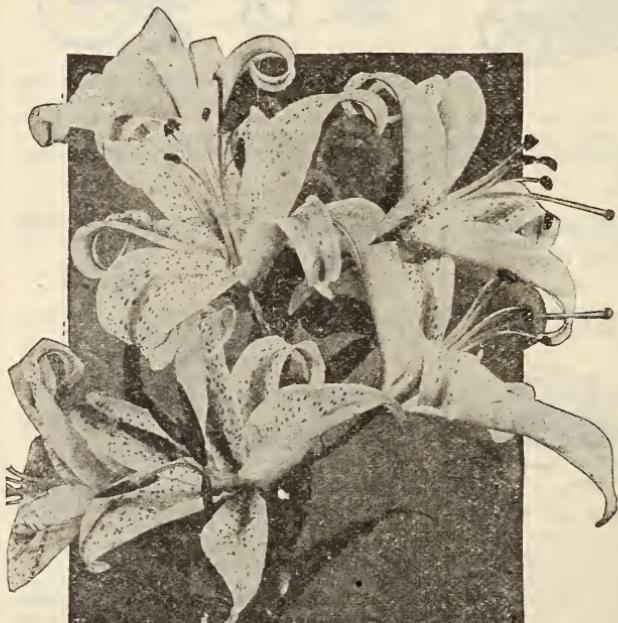


Lilium Tigrinum Splendens

3008 Improved Tiger Lily
THE grandest of all the Tiger Lilies. Black polished stem, with very large nodding flowers. Red salmon with large spots. Three to five feet high; very hardy and highly recommended. Large bulbs (postpaid), each, 10c; per dozen, \$1.00.

Lilium Tigrinum Splendens

3009 Double Tiger Lily
A VERY pretty type of Tiger Lily. Flowers double, orange red, spotted with black; when clumped together with the single varieties, they are very effective. Price, each, 10c; per dozen, \$1.00; per 100, \$7.00.



Lilium Auratum

Lilium Auratum

3012 The Golden Rayed Lily of Japan

THE flowers are pure white, thickly spotted and splashed with crimson. Through the center of each petal runs a clear, broad band of yellow. One plant will often bear as many as thirty blooms and we have seen one plant actually carry seventy of these magnificent flowers. Large bulbs (postpaid), 30c each; \$3.20 per doz.

F. A. Mosel, Orchard, Nebr. Have planted your seeds for the last three years and have done wonders. Your seeds can't be praised too much.

March 28, 1918.

Dr. H. D. Miller, Bloomer, Wisc. Have used your seeds for four years, none better.

Mrs. Arthur Washington, Freedom, Penna. Your peas, the Langport, are wonderful. We got seed from you last year and are sending for more. They were all we could ask for and more.

Beautiful Gladioli

Most Popular Cut Flower of the Day, Now Within the Reach of All.

Gladioli are highly ornamental whether growing among shrubs or in garden rows. If they are cut as the first bud expands they last a week or ten days in the house and every bud opens perfectly. What could be more decorative than a bunch of these great spikes with their two or three foot stems? No flower can match them in ease of culture or diversity of color.

The Gladioli are the most attractive of summer-flowering bulbs. They bloom just when the garden needs lighting up. Their bright spikes help the perennial border especially, which so often lacks color at mid-summer before its autumn revival. When used in the rose bed their season follows that of June roses.

They are not delicate exotics needing protection from Summer's hot winds and scorching sun, but strong and lusty growers. Yet with all their sturdiness, many Gladioli have flowers as delicate as Orchids, as exquisite as the humming birds which dart among their brilliant blossoms.

We advise our customers to plant Gladioli in masses since they are always most effective when grown in groups of twenty-five or fifty bulbs of a kind or color, either in the perennial or shrubbery border. At these special prices on quantities, one can well afford to plant them extensively.

Gladiolus

Galloway's Gold Medal Mixture

3007

No. 8

This lovely flower has made wonderful strides during the past few years. Its popularity today is exceeded by few other flowers and it has by no means reached its limit. There are, of course, good reasons for its popularity. This flower has never been known to fail. It can be planted in any open position and be depended upon to bloom well. As cut flowers they cannot be surpassed, lasting in water fully two weeks after being cut. They flower from early July to late fall. Our mixture is made up of all the latest and best named kinds, and can be depended upon to produce a grand array of large and most beautiful flowers. Price, per dozen, 35c; 100, \$2.50 postpaid.

Culture. The Gladiolus thrives in a sunny location, protected from wind. It appears to best advantage when planted among Peonies, shrubbery or in masses or rows bordered with some lower growing plants such as Candytuft, or Bachelor's Buttons. These make a pleasing contrast with the Gladioli.

Gladiolus bulbs will grow in any good garden soil, but do much better when the latter has been enriched with well rotted manure. If the bulbs are planted at intervals from April to June the blooming period will extend from July until frost. A trench should be dug five inches deep and an inch of sand placed in the bottom to absorb surplus moisture. Then set the bulk (flat or hollow side down) in the sand.

For earliest blossoms, draw 2 inches of soil over the bulbs at first, replacing the rest when the shoots appear. As the leaves develop, more earth should be drawn up around the base, to furnish support for the stalk. Keep the bed free from weeds and give plenty of water, especially during the blooming period. When the flower buds appear they should be staked.

For Cut Flower Use. The spike should be cut as soon as the first flower opens on the stalk, preferably before the dew is off in the morning but never in the heat of the day. Cut the stem about 9 inches above the ground and with as little foliage as possible. The foliage is needed for the development of the new bulb. Place the cut flowers in a deep vase, with at least 8 inches of water. Remove the faded blossoms, cut a little off the stem and change the water daily. Treated in this way the buds will open perfectly.

Before the ground freezes lift the bulbs, cut off half the foliage and remove to a cool shed or cellar. Here they should be spread out to dry, leaving plenty of air space between all bulbs and tops to prevent mould. A convenient method is to stand them up in flats which are then piled in tiers.

After the tops dry up they should be cut off with a sharp knife or pruning shears. At this time also, the bulbs may be separated and the small side growths, or bulbils removed. The latter may be handled like the big bulbs. Then the bulbs are placed in paper bags, sawdust or sand to prevent them from becoming too dry. Lastly, remove to a storage room having a temperature of about 35 degrees to prevent sprouting.

Gladiolus

3026 EUROPA. The finest pure white Gladiolus. This new variety is of perfect form, produced on strong, stiff, tall spikes, usually bearing from 20 to 25 pure white blooms. The flowers open very rapidly and it is not uncommon to have from ten to twelve of these open at the same time; the formation is very close and compact, making a perfect spike from the time when the first bud opens until the last. Each, 10c; doz., \$1.10.

3027 MRS. FRANK PENDLETON. A magnificent variety which has won various awards on account of its practicability for cutting, as well as for its beauty. Every bud opens up in water fully and perfectly. Flowers are very large and well expanded, of a lovely flushed salmon-pink, with blood-red blotches in the throat. Each, 12c; doz., \$1.35.

3028 SCHWABEN. Yellow Gladioli. The flowers of this striking new Gladiolus are of a pure canary yellow, shaded to a soft sulphur yellow when opening; the golden yellow center is blotched with a brilliant brownish carmine. Flowers open 6 to 8 at one time. About twenty finely-formed flowers are produced on extremely strong stalks. The foliage is large and vigorous, of a beautiful dark green, which, combined with the brilliant sulphur-colored flowers, makes it very effective for groups of beds. Each, 10c; doz., \$1.10.

3029 PINK PERFECTION. Very large blooms of fine form, long spikes of a beautiful shade of apple blossom pink, similar in color to Carnation Enchantress. Each, 12c; doz., \$1.35.

3030 WAR. A Giant Red Gladiolus. Undoubtedly the largest of all Gladioli, showing from 4 to 6 open flowers at one time. Color, a deep blood red, shading to crimson. Each, 12c; doz., \$1.35.

3031 AUGUSTA. Lovely pure white with blue anthers. One of the most attractive white varieties. Each, 5c; doz., 50c.

3032 WILLY WIGMAN. Delicate pink tinted cream, with large carmine red blotch. Each, 10c; doz., \$1.00.

3033 NIAGARA. Of American character, but somewhat larger; rich cream color deepening to canary yellow on lower petals. A faint carmine blush at tips of petals and streak at throat, with purple stamens and carmine stigmas, make a combination of exquisite beauty and attractiveness. Each, 8c; doz., 80c.

3042 EMPRESS OF INDIA. A glorious rich dark mahogany red uniquely veined. Each, 8c; doz., 80c; 100, \$4.25.

3043 BARON HULOT. Flowers of medium size on good, straight spikes. In color a dark violet, bordering on purple. The finest of its color and a very attractive and showy variety. Each, 7c; doz., 70c.

3044 KUNDERD'S RUFFLED GLORY. A new departure in Gladiolus form, a recently developed strain having distinctly and beautifully fluted or ruffled petals. This "Glory" variety is of good size in flower and spike, with long stalks. Color, delicate cream pink, with a crimson stripe on each lower petal. Each, 8c; doz., 80c.



Gladioli should be in every garden as they add to its colorings and are easily cultivated.

3034 GOLDEN KING. Golden King resembles its parent, Golden Queen, but is much larger in flower and habit of growth. The color is a bright glistening yellow, with a crimson blotch in the throat. This variety produces a large spike and from 21 to 24 flowers on a plant are common. This variety was awarded the highest honors by the National Gladiolus Society of England. Each, 10c; doz., \$1.00.

3035 AMERICA. Without an exception America is the most beautiful and useful Gladioli yet introduced. Strong and healthy, with luxuriant dark green foliage. Flower spike two to three feet long, erect with a great number of large spreading blossoms. Color exquisite soft lavender pink, the same as seen in the most beautiful Cattleya Orchids. No color like it in any other Gladioli, none so beautiful. Each, 7c; doz., 70c.

3036 PANAMA. A new seedling of America which resembles the parent in every way except that it is a much deeper pink. A grand variety which evokes words of praise wherever exhibited. Spike very long with flowers large and well arranged. Many awards. Each, 8c; doz., 70c.

3037 INDEPENDENCE. All things considered, the best light red in market under name. Strong, upright grower, clean foliage, large cherry flower in perfect shape, marked white and maroon in throat, and on good spike. Stem always straight. Fine by artificial light. Each, 6c; doz., 45c.

3038 HALLEY. Delicate salmon-pink predominates with a slight rosy tinge, lower petals have a creamy blotch with a bright red stripe in center. Each, 6c; doz., 45c.

3039 MRS. FRANCIS KING. A new variety which excites great comment and admiration, both for size of flower and beauty; the color of the flower is a light scarlet: the flowers are very large, usually measuring from 3 1/2 to 4 inches in diameter. Each, 7c; doz., 70c.

3040 PRINCEPS. (The Amaryllis Flowered Gladiolus.) Rich crimson with white blotches across the lower petals. The flowers open out wide and perfect and are of monstrous size. Each, 8c; doz., 70c.

April 26, 1918.

ANDREW HUDNALL, PUTNEY W. VA.

I do think you are the best and most honest seedsmen that I ever dealt with. I will always send to you, for my seeds I bought from you came up better than any other seeds I ever planted.

Special Offer of Beautiful Peonies

PEONIES are one of the most effective of the hardy garden plants. Fine as cut flowers or for growing in a border. Easily cultivated. Foliage is handsome and flowers are noted for their rose-like fragrance. Suitable for any position or soil.

Peony Collection A—\$2.00

GLORY OF BOSKOOP, pure white—large blooms.

GENERAL WASHINGTON, beautiful, large red flowers—long stems.

OFFICINALIS ROSEA, very early, pink flowers—medium sized.

PRINCE IMPERIAL, large red flower—full center.



Peony Collection B—\$2.25

ALBERT CROUSSE, large pink flowers—very full blooms—long stems.

FELIX CROUSSE, large red flowers—very profitable for cut flowers.

DUCHESS DE MENOIRS, beautiful sulphur white—large flowers.

FESTIVA MAXIMA, best known and most profitable white variety grown.

Peony Collection C—\$2.25

OFFICINALIS ALBA, pure white—very early.

OFFICINALIS RUBRA, red—very early.

RHODA, beautiful red—large, heavy stems.

MADAM KRELAGE, shell pink—very large blooms—full center.

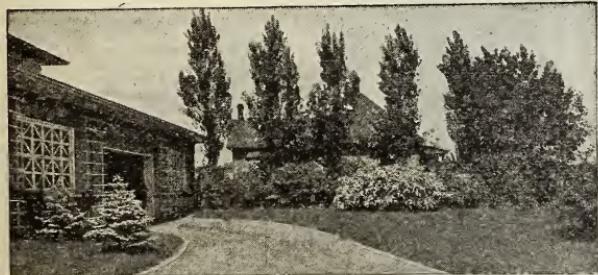
Peony Collection D—\$2.75

FLORAL TREASURE, shell pink—one of the most beautiful of this shade.

MODEL OF PERFECTION, rose color—very productive—one plant of this variety is worth as much as the entire collection.

GENERAL HOOKER, red flower—heavy, strong stems.

EUGENE VERDIER, salmon pink—very productive—fine, large flowers.



Approach to The Galloway Company's garage; judicious plantings transformed a once barren spot into a beautiful view.

27 Trowbridge St.,
Belmont, Mass.,
October 17, 1917.

I write you these few lines to let you know that all the seeds I bought from your firm last year have made everyone take notice of my truck garden this year. I want to thank you for the good luck I had with the seeds. Wm. J. Endres.

Hardy Perennials

For Beds or Borders

VERONICA (Speedwell). An admirable species of border plants with various forms of growth, but alike in gorgeous showiness of bloom. Flowers are borne in long compact spikes of some shade of blue or white. Abundant during July and August.

ANCHUSA, ITALIAN DROPMORE VARIETY. Forget-me-not-like blue flowers borne in profusion on branching stalks 4 to 5 feet tall. They bloom from May to July, of very vigorous growth.

LONG SPURRED COLUMBINES, Mixed. An improved strain of Columbines, bearing flowers of many rich and varied colors with broad petals and long spurs. Colors are distinct shades of white, salmon, lavender, yellow, mauve, pink, etc.

SHASTA DAISY. Profusion of showy, large flowers during summer. 18 to 24 inches.

CANTERBURY BELLS. We grow annually many thousands of these favorite flowers in separate colors. Blue, Pink, White and Mixed.

RUDBECKIA - PURPUREA (Purple Cone-flower). Large drooping petals colored reddish purple with a remarkably large cone-shaped center of brown, thickly set with golden tips in spiral lines. 2 to 3 feet.

COREOPSIS, Lanceolata. Golden-yellow flowers of large size; useful for cutting and effective in border masses; blooms all summer. 2 feet.

DELPHINIUM, Perennial Larkspur. Long, showy spikes of flowers from June until frost which furnish the most satisfactory blues. They vary in height from the 18-inch Chinensis to the stately Hybrids, 6 feet tall.

DIANTHUS BARBATUS. Sweet William. A fine old garden favorite, biennial, but one

which perpetuates itself by self sowing. Height, 18 inches. Flowers in June and July. The colors are very bright, effective and in an endless variety of white, pink, purple, crimson and scarlet; many sorts variously edged, eyed and spottet. Single and double varieties mixed.

DIGITALIS. Fox Glove. Furnishes a grand display of thimble-shaped flowers in immense spikes during July and August.

GAILLARDIA GRANDIFLORA SUPERBA (Blanket Flower). Makes one of the most gorgeous and prodigal displays of all perennials. Flowers often measure 3 inches in diameter, on clean, 2 feet stems. A hard center of deep maroon is thickly bordered by petals of orange and yellow, ringed by circles of crimson, red and maroon. Poor soil will do, and a constant show is assured from June till frost.

GYPSOPHILA PANICULATA (Baby's Breath). Good for cutting as well as for borders. Flowers are minute but myriad, pure white, produced in immense panicles.

HEMEROCALLIS (Yellow Day Lily). The Day Lilies are magnificent hardy plants and are undoubtedly among the finest plants for ordinary garden culture, as they will grow anywhere in either partial shade or full sun. The flowers are produced in spikes of from six to a dozen blooms, opening in succession, and are very useful when cut for indoor decoration. Good for borders, shrubberies, wild garden or naturalizing in grass.

HIBISCUS (Rose Mallows). 3 to 5 feet. Noble shrub-like plants, with handsome green foliage, and bearing throughout summer large bright flowers, varying from 3 to 5 inches in diameter. They are very hardy, and suitable for garden effect, and indoor use when cut.

JAPAN IRIS (Iris Kaempferi). A splendid hardy plant of easy growth; delights in constant cool, moist soil. In its native home. It flourishes in swamps succeeding admirably by the side of streams, lakes and ponds. Few people are aware of the beauty of this class of Iris which commences blooming about the middle of June and continues for five or six weeks. Many of the flowers measure 8 to 10 inches in diameter, the various shades of color are exquisite.

IRIS SIBIRICA. Choicest of all the small flowered Iris, with narrow, grassy foliage, long stems and a great profusion of medium sized flowers; in season midway between the German and Japan sections. The deep shiny blue flowers are very popular for cut bouquets.

BELL FLOWER, Platycodon Grandiflora. Large, bell-shaped flowers; violet-blue in color. Blooms from July to October.

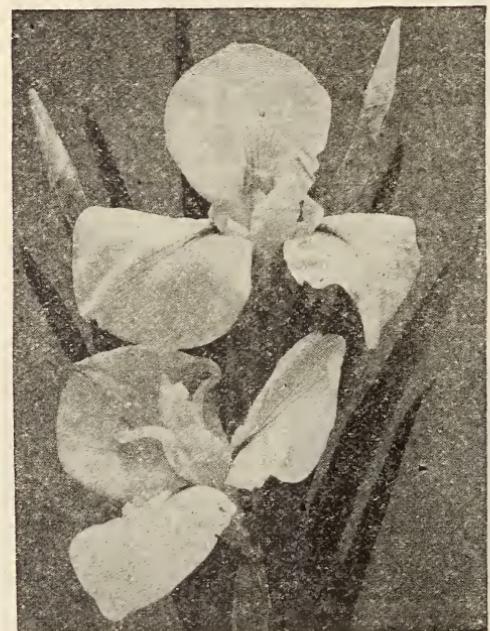
HOLLYHOCK (Single). These handsome and showy plants are great favorites. Their unique growth gives them a welcome everywhere.

HOLLYHOCK (Double). Their flowers are large, fully double, handsome in form, and lively shades of color. Double white, pink, crimson, and yellow.

LATHYRUS (Everlasting or Hardy Sweet Pea). Showy, free flowering, hardy perennial climber, valuable for covering old stumps, fences, etc., continually in bloom. Good for cut flowers.

FOLLOWING PRICES COVER ALL PLANTS ON THIS PAGE

HARDY PERENNIAL PLANTS.
Price, each, 20c; 1 doz., \$2.00; per 100, \$14.00.



Flower Facts Worth Knowing

EVERYBODY loves flowers. Flowers are inexpensive, and if you select the right kinds, they are as easy to grow as weeds. There is quite a knack in selecting the right flower seed to produce the right effect for you. Everybody is not familiar with the kind of flower seeds to buy, and the quantity to buy, to make the most satisfactory, quickest showing and results.

There are hundreds of flower seeds offered that, when planted, do not bring satisfactory results. Some are hard to grow, and some do not make the desired effect after they develop.

We make suggestions here which we believe you will appreciate, and which will enable you to get the best and most satisfactory results; and in our selection of flower seeds offered, we have been very careful not to put anything in that you would not care to use, and for that reason we have limited our flower seeds to only the best and most popular varieties.

We might have listed a thousand or more varieties, but this would bewilder you, and would have been a waste of good valuable time on our part; for our Mr. Hall knows from his own experience that your selection would ultimately be made up of the popular varieties mentioned in our list.

If a careful selection is made from our list, we guarantee you perfect satisfaction. You can select from it an unlimited range either for color or for beauty, as our selection has been made to satisfy the most exciting lover of beautiful cut bloom.

Long-Stemmed Flowers from Seed Suitable for Bouquets or Vases

Aquilegia
Asters
Calliopsis
Carnation
Centaurea
Chrysanthemum

Coreopsis
Cosmos
Dahlias
Delphinium
Dianthus
Gaillardia

Gypsophila
Larkspur
Lupins
Marigold
Mignonette
Poppy

Salpiglossis
Scabiosa
Stocks
Sunflowers
Sweet Peas
Zinnias

Fragrant Flowers from Seed (Varieties marked "H. P." are Hardy Perennials)

Abronia
Alyssum
Carnations
Dianthus Hardy
Geranium

Heliotrope
Lavender H. P.
Matthiola
Mignonette

Mimulus
Nicotiana
Pinks H. P.
Scabiosa

Stocks
Sweet Peas
Sweet William H. P.
Wallflower H. P.

Ornamental Foliage Plants Grown from Seed

Amaranthus
Canna
Cineraria

Coleus
Marvel of Peru

Kochia
Pyrethrum

Aureum
Ricinus

Drooping Plants for Vases, Hanging Baskets, Etc.

Alyssum
Sprengeri
Asparagus

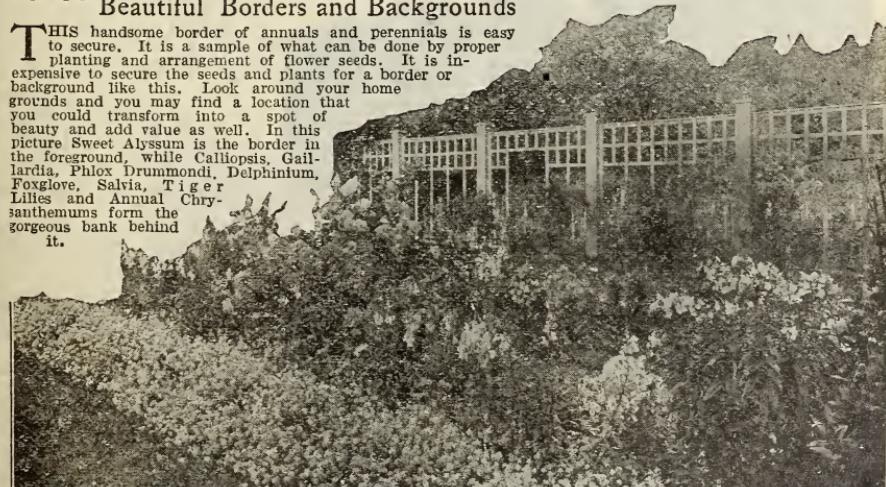
Calendula
Maurandia

Nasturtium, Tall
Oxalis

Petunia
Vinca

Beautiful Borders and Backgrounds

THIS handsome border of annuals and perennials is easy to secure. It is a sample of what can be done by proper planting and arrangement of flower seeds. It is inexpensive to secure the seeds and plants for a border or background like this. Look around your home grounds and you may find a location that you could transform into a spot of beauty and add value as well. In this picture Sweet Alyssum is the border in the foreground, while Calliopsis, Gaillardia, Phlox Drummondii, Delphinium, Foxglove, Salvia, Tiger Lilies and Annual Chrysanthemums form the gorgeous bank behind it.



Some of Our 1919 Flower Novelties

Add a few to make your Garden complete

ANNUALS come in many shades of color and can be grown in beds, planted in houses, or as single-potted flowers. All that is necessary to succeed with them, is a little patience and forethought in their planting. The seed should be started in indoors early, not too thickly planted in the pots or pans in which it is started, and then when the ground warms and the days of frost are over, they may be transplanted into the beds or borders where you want them to bloom. They should be planted where they can have a great deal of sunshine.

The Chinese Wool Flower

1247

Celosia Childsi

A rare Novelty

THIS wonderful novelty was introduced from China about four years ago, and has proven itself a great success wherever grown. We believe it will be the most magnificent garden annual ever introduced. It is very easy to grow, and remains in bloom from early July until frost. The massive bunches of wool-like flowers and glowing colors combine to make it the showiest and most odd garden flower. Plants grow two to three feet high. The flowers often reach the immense size of two feet in circumference. Scores of branches are thrown out, each bearing a ball of scarlet wool. None of the flowers fade until hit by frost. Flowers, when cut, in a fresh state and carefully dried, retain their shape and brilliant color, and are useful for winter decoration. Start seed if convenient under glass about four weeks before time to transplant to the garden. If the little plants remain too long in pots or seed beds, they will begin to set bloom, which is not desirable. Transplant to the garden as soon as danger of frost is passed. Price, pkt., 10c.; 2 pkts., 15c.



The Famous Chinese Wool Flower

A Fine Garden of Beautiful Annuals

TO grow flowers from seed is the most pleasant and engaging of all outdoor or garden occupations. The planning, selecting, planting, tending, development and blooming of annuals is indeed instructive and pleasant. The picture herewith shows two fine borders of annuals. Annuals are flowers that come up from the seed and blossom the same year. They embrace plants of all kinds—from sweetly scented Sweet Alyssum to the more stately flowers, such as Salvia, Recinns and Cosmos.



In the average vegetable garden, there is lots of room for annual flowers, and they can be planted in any sunny location in the garden, if you do not have other spots or borders in which to grow them.

One can secure a succession of bloom from early summer until frost, by proper selection of seed of the various annuals. There is nothing easier grown than Sweet Alyssum for borders.

Note in the picture that a plain turf border on each side of the garden walk sets off the annuals planted in the border, to a splendid advantage. A narrow row of Sweet Alyssum inside of this turf border would have improved it.

Annuals include Nasturtiums, African and French Marigolds, Loblias, Zenias, Salvia or Scarlet Sage, Snapdragons, Asters, Hollyhocks, Candytuft, Dianthus, Golden West, Larkspur, Pansies, Flox Dromondii, Poppies, Portulaca or Moss Rose, Verbinas, etc.

Pick out from five to twenty packages of the splendid annuals that we offer, and with a little well repaid attention, you will be able to secure a profusion and succession of bloom that will be the marvel of your neighborhood.

Spencer Sweet Pea Novelties

Fiery Cross

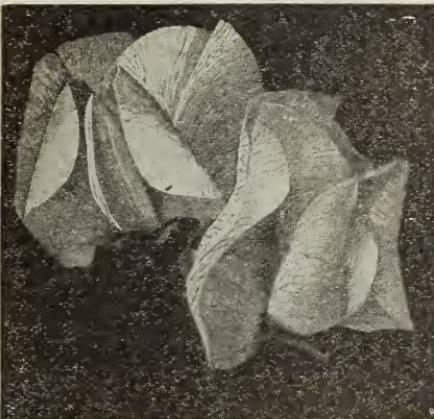
FIERY CROSS has all the appearance of live fire, the color being a scorching fire-red or scarlet, without any shading; and which scintillates and glitters in bright sunlight, thus adding a glowing, fire-like sheen which radiates over the flower. Unlike most of the orange-scarlet varieties, it does not scorch nor burn even during extended periods of intense sunshine; therefore it can be grown in all soils without shading. The beautifully waved and fluted flowers are borne freely in threes and fours, well placed on long stout stems. **Price, pkt., 20c; oz., \$1.00.**



Dobbie's Cream
(One Half Size)

Plant More Sweet Peas!

Not hing
more easily
grown — No
flowers more
fragrant— A
range of col-
or unsur-
passed.



Jean Ireland (Two Thirds Size)

Philadelphia, Pa., January 29, 1917.
From the pleasure we received last season from a small order of Sweet Peas which we ordered from you, I am enclosing another order for you to send as soon as possible. If I have the same luck this season, I will know where to send in the future. The Sweet Peas were fine and admired by lots of people.

J. H. Hudson.

President

THIS is without doubt one of the very finest of the Scarlet Sweet Peas. It is of a glowing self-scarlet color, and a heavy bloomer. The flowers are produced on long stems and retain their beauty a long time after being cut. Price, pkt. 20c; oz. 75c.

Jean Ireland

ONE of the very latest creations; cream colored, edged with pink; without doubt one of the largest and handsomest sweet peas ever introduced. The flowers are borne on long stems, usually in clusters of four blooms, making them exceptionally desirable for cutting. Price, pkt., 20c; oz., 75c.

Dobbie's Cream

WE consider this one of the best Primrose Spencers yet introduced. A strong growing, profuse blooming variety, with large, much waved flowers, often duplexed and with many four-blossomed sprays. Price, pkt., 10c; oz, 35c.

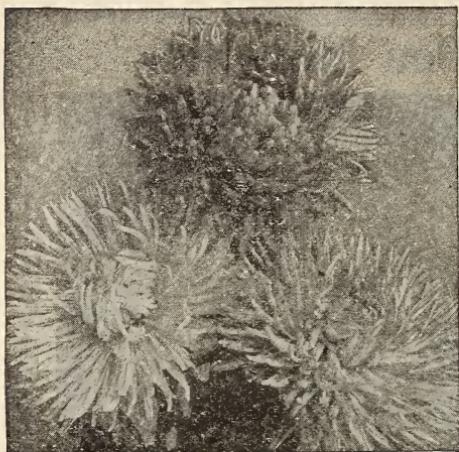
Everlasting Sweet Peas

1158 Lathyrus Latifolius Mixed

THESE are very valuable from the fact that they are in full bloom early in the spring before the others have begun to flower. They live year after year, bearing magnificent clusters of flowers. Perfectly hardy and grow 8 to 10 feet high. Price, large pkt., 5c; 2 pkts., 8c; 1 oz., 20 cents.

These beautiful walk borders are not expensive and can be grown anywhere.





Early Gem Aster

Galloway's Early
Gem Aster

1002 (Mixed)

A TRULY magnificent Aster of branching pyramidal form. The blooms are borne on long, strong stems which make them ideal for cutting. The blooms, however, should be cut before fully expanded, and allowed to develop after cutting; this prolongs their usefulness as cut flowers. Has a larger range of color than most Aster mixtures. Price, pkt., 10c; 2 pkts., 15c.

Hardy Garden
Pinks

1083 (Dianthus
Semperflorens)

VERY beautiful, ever-blooming, sweet-scented, double, semi-double and single flowers in great diversity of color. Price, pkt., 5c; 2 pkts., 8c.

Sweet Alyssum

1010

A FINE old-fashioned flower, appreciated by everyone, especially those requiring a good, pure white edge to their garden or a good plant for rock-work or hanging baskets. It is a beautiful, pure white, sweet-scented and quite dwarf flower, growing only about 4 inches high. It blooms most profusely, one plant alone sometimes bearing upwards of one hundred pretty heads of bloom. Price, pkt., 5c; 2 pkts., 8c; 1 oz., 20c.

Balloon Vine

1022 (Love in a Puff)

A ANNUAL climber of rapid growth; foliage very pretty; flowers white; seed vessels look like miniature balloons. Height, 8 feet; succeeds best in light soil and warm situation. Price, pkt., 5c; 2 pkts., 8c; 1 oz., 25c.

ASTERS

Giant Comet Aster

1001 Mixed

THIS lovely Aster is perhaps better known than any other. It is a very large flowered variety. Its loose petals make it resemble a good-sized Chrysanthemum. Single blossoms sometimes measure 4 to 5 inches across. Blooms right through summer. Owing to the great diversity of color, a bed of Giant Comet Aster have a wonderfully gay and enlivening effect. This seed furnishes all colors of Aster. Price, pkt., 15c; 2 pkts., 25 cents.

1000 Mixed Giant Victoria Aster

IMPORTED by us direct from the leading Aster specialists, and can be relied upon to produce a magnificent display of perfect blooms, unequalled for their gorgeous coloring. Flowers as large as Chrysanthemums, and grow about 18 inches high. Price, pkt., 7c; 2 pkts., 12c.

Giant Victoria
Aster

1003 (Separate Colors)

We offer the following in separate colors of our Giant Victoria Aster:

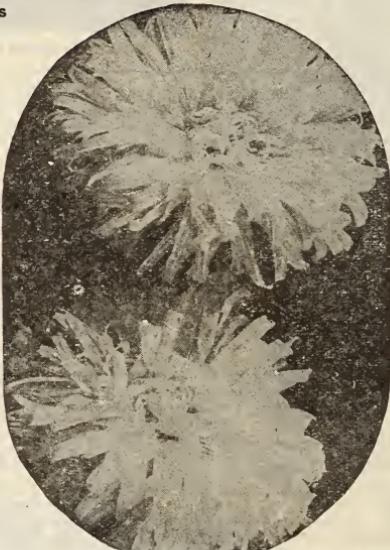
Snow White
Flesh Pink
Deep Purple
Crimson
Light Blue
Scarlet.

Price of any of above varieties, large pkt., 10c.

Rock Cress

1016 (Arabis Alpina)

A HARDY perennial and one of the earliest and prettiest spring flowers. The spreading tufts are covered with a sheet of pure white flowers as soon as the snow disappears. Unparalleled for rockeries or edging; withstands the drought, and is always neat; 6 inches high. Price, pkt., 5c; 2 pkts., 8 cents.



Victoria Aster

Comet Aster

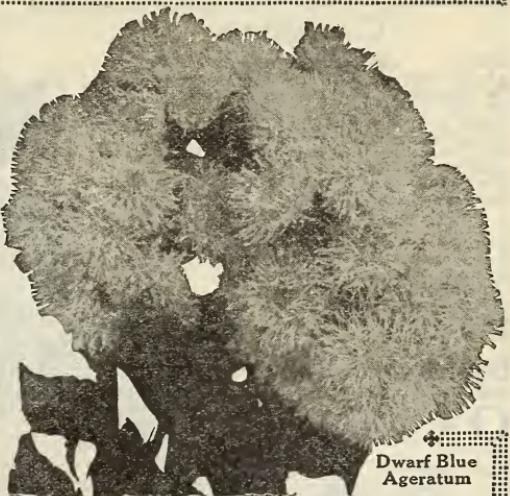


Daisies—Vines—Snap Dragons

Ageratum

Dwarf Blue

1008 A GRAND border plant; flowers light blue and remaining in bloom through the summer. A few plants of this delightful little flower will soon cover a good-sized flower bed, as the plants when well started extend themselves rapidly and soon become a mass of dazzling blue flowers. We don't know of a flower anywhere better suited to the border or for window boxes than this delightful little flower. Price, pkt., 5c; 2 pkts., Sc; 1 oz., 50c.



Dwarf Blue Ageratum

African Daisy

Arctotis Grandis

1012 A REMARKABLY handsome annual from Southwest Africa. It forms much-branched bushes 2 to 3 feet high; its flowers are large and showy, being pure white on the upper surface; the reverse of petals lilac-blue. It is easily grown from seed, and may be started in hotbed, in the house, or in the open ground, the seed germinating in about five days; and the plants may be expected to come into bloom early in July and continue until quite hard frost. Price, pkt., 5c; 2 pkts., Sc.

Bachelor's Buttons



1014 Bachelor's Buttons (Mixed)

THE beautiful, artistic flowers are borne on long stems and when cut will stand for a long time in perfect condition. A bed of these with Marigolds (African and French), Poppies and Zinnias make a grand display. Our mixture contains a fine range of color, pure white, lilac, rose, pink, lavender and purple. A packet of our seed is sufficient for a fair size bed. Price, large pkt., 5c; 1 oz., 30c.

Antirrhinum (Mixed)

1006 Snap Dragon

A NOTHER real old favorite. Everybody knows the old-fashioned Snap Dragon. You can see it growing in all the best gardens throughout the country. Unusually effective bedding displays are made from these noble plants. They withstand both wet and drought and produce beautiful stems of every range of shade and color, and continue to bloom in increasing profusion until frost cuts them off. Price, large pkt., 5c; 2 pkts., Sc; 1 oz., 40c.

Antirrhinum

(Solid Colors)

We offer the following range in separate colors: Antirrhinum Giant White, pkt., 5c; oz., 50c. Antirrhinum Giant Scarlet, pkt., 5c; oz., 50c. Antirrhinum Giant Yellow, pkt., 5c; oz., 50c. Antirrhinum Giant Pink, pkt., 5c; oz., 50c. Antirrhinum Giant Striped, pkt., 5c; oz., 50c.

Japanese Bell Flower

1176 (Platycodon Grandiflorum)

A MEMBER of the Campanula family, with branching spikes 2 to 4 feet high. Platycodon is considered by many to be the best bell flower. They bear large, showy, deep-blue or white flowers continually from July until frost. Of easy culture. Price, pkt., 5c; 2 pkts., Sc.

More Favorites =

Carnations

1029 (Marguerite Mixed)

SOw under glass in January and February, and transplant as soon as ready. They commence to flower in July, producing a wealth of large blooms of great variety in color, until cut off by the frost. Being equally valuable for indoor cultivation, some can be potted and placed in a cool greenhouse, where they will provide a succession of bloom during the winter months. They produce a very large percentage of double flowers and include a most varied assortment of fancy yellow ground bizarre, as well as selfs, rich with delightful fragrance and diversity of color. Price, pkt., 5c; 2 pkts., 8c.

Bartonia Aurea

1026

ONE of the most showy of annuals, excellent both for beds and borders; producing showy, golden-yellow flowers. The foliage is gray and thistle-like, and is exceedingly brilliant in the sunshine. It will not stand transplanting, so should be sown where intended to bloom. Sow in the open ground early in May. Blooms through summer and fall. Price, pkt., 5c; 2 pkts., 8c; 1 oz., 15c.

Canary-Bird Vine

EASY-GROWING, free-blooming annual climber for house or garden. Bright yellow flowers resembling a canary bird with extended wings. Grows ten feet. Price, pkt., 5c; 2 pkts., 8c.



Carnation Marguerite

Calliopsis

1259 (Golden Crown)

FEW annuals are so easily grown and so satisfactory as Calliopsis; and this grand variety we consider one of the best, having large golden-yellow flowers that closely approach the perennial Coreopsis Grandiflora in size and color. Forms compact plants 9 to 10 inches high, with the flowers thrown well above the foliage on strong 18-inch stems. Price, pkt., 10c; 2 pkts., 15c.

Candytuft, White Rocket

1028

IT flowers in profusion throughout the season; its dwarf habit, growing from 4 to 5 inches high, makes it a fine border plant. Perfectly hardy, grown easily; splendid for cut flowers. Extremely fragrant. Price, pkt., 5c; 2 pkts., 8c; 1 oz., 20c.

Cathedral Bells

1049 (Cobaea Scandens)

ONE of the handsomest and most rapid growing of the annual climbers. Climbs 30 feet in a season. The flowers are bell-shaped. Very prolific and perfectly hardy. The vine is always clean and free from insects. Flowers blue, white and pink. Price, pkt., 10c; 1/4 oz., 30c.

Baby Eyes

(Nemophila)

ACHARMING little annual plant, thriving especially well in moist, shady places, but quite at home in the open garden. The pretty, bell-shaped flowers, in shades of blue, and variously marked, are freely produced all summer. Plants 8 inches in height, of neat, bushy habit. Mixed varieties. Price, pkt., 5c; 2 pkts., 8c; 1 oz., 20c.

Baby's Breath

(Gypsophila)

THE delicate, mist-like sprays of the Gypsophila are invaluable for bouquets. They serve to lighten the effect of masses of other flowers, and are especially useful with sweet peas, and other flowers that can readily be cut with their own foliage. Flowers snow-white. Price, pkt., 5c; 2 pkts., 8c; 1 oz., 25c.

Candytuft

Calliopsis—Cosmos—Chrysanthemums



Calliopsis

Cosmos (Mixed)

1038 (Extra Early Flowering)

THE earliest flowering variety in cultivation. Seeds sown in open ground, in early May, will produce blooming plants in July, and continue a mass of bloom until killed by frost. This desirable trait is now so well established, that instead of a few plants coming early, as in all other so-called early varieties, our Extra Early Cosmos is uniformly early and will bloom in any part of the North. Its delicate fern-like foliage and conspicuous crimson, pink and white flowers form a pleasing contrast. The flowers are of good average size and are borne upon long stems, well above the foliage. Price, pkt., 5c; 2 pkts., 8c; 1 oz., 20c.

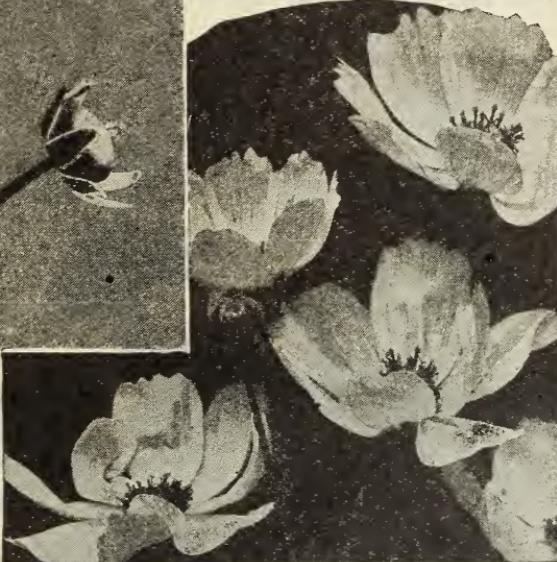
Cosmos (In Separate Colors)

(Extra Early Flowering)

	1 pkt.	2 pkts.
1039—Deep crimson.	5c	8c
1040—Bright Pink.	5c	8c
1041—Pure White.	5c	8c

Cucumber (Wild)

1045
ORNAMENTAL climbing cucumbers, with curious fruits, remarkable for its luxuriance and rapidity of growth. Height, 15 feet. Hardy annual. Price, large pkt., 5c; 2 pkts., 8c; 1 oz., 50c.



Early Flowering Cosmos

Chrysanthemum

(Giant Japanese Mixed)

A MIXTURE of the large-flowering florists' varieties. This mixture contains the large, autumn flowers used in exhibitions by florists. They are usually grown from cuttings, and do not come true from seed. Price, pkt., 10c; 2 pkts., 15c.

Columbine

(Long-Spurred Aquilegia)

HARDY perennial of great beauty and utility in borders, where they will bloom freely when established, early in the summer. The long-spurred type, of which we make a specialty, gives elegant cut flowers. Price, pkt., 5c; 2 pkts., 8c.

Cypress Vine

ONE of the most beautiful climbers; fine, delicate cut foliage, dotted with small scarlet flowers. For covering pillars, trellis work, etc., it is unsurpassed in grace and beauty. Height, 12 feet. Tender annual. Mixed color. Price, pkt., 5c; 2 pkts., 8c; 1 oz., 25c.

Pinks—Stocks—Four O'Clocks—Foxgloves

Indian Pinks

1057 (*Dianthus Chinensis*)

UNEQUALLED for color and fragrance. They produce an immense wealth of bloom. For cut bloom they are hard to beat. The more you cut them, the longer and stronger they continue to bloom. They can be grown in any soil, and withstand drought better than most other flowers. For early flowering, sow seed in boxes in the early spring and transplant to the open ground when weather will permit; or sow in the open ground when all signs of frost are past. Price, pkt., 5c; 2 pkts., 8c; 1 oz., 35 cents.

Evening Scented Stock

1101 (*Matthiola Bicornis*)

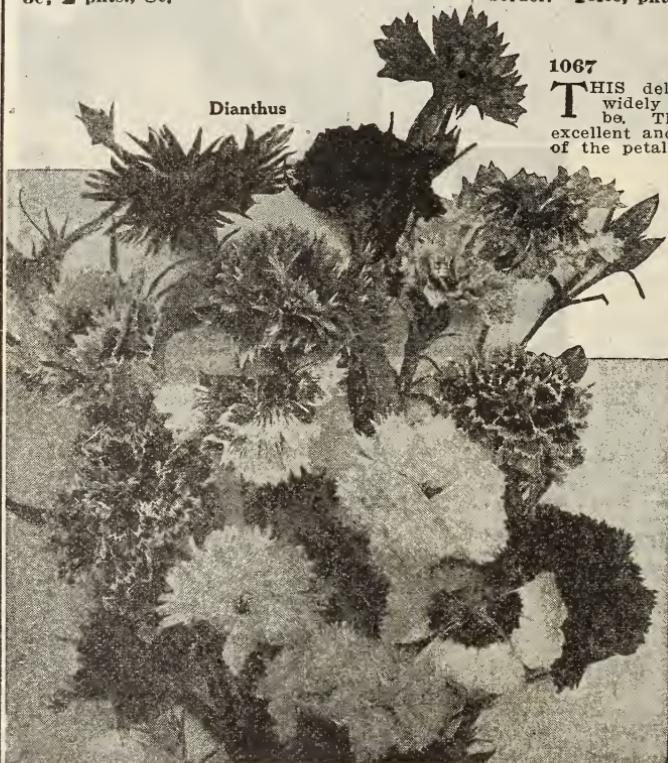
A DAINTY little flower with a delightful odor, seen in all old-fashioned gardens. The flowers are purple-lilac, and emit an entrancing odor during the evening and after showers. Sow in the flower bed or border as soon as all signs of frost are past. Price, pkt., 5c; 2 pkts., 8c; 1 oz., 30c.

Forget-Me-Not

1095 (*Myosotis Palustris*)

HALF-HARDY perennial, which flowers the first year from seed if sown early. Will bring forth lovely blossoms throughout the whole summer and fall. Flowers are borne on long, stiff stems and of the most exquisite sky-blue, with a delicate white center. They succeed best with moisture in a somewhat shaded position. Price, pkt., 5c; 2 pkts., 8c.

Dianthus



Foxgloves

(*Digitalis*)

THE Foxgloves are quite stately and highly ornamental plants, when well grown, with flower stems at least three feet in height. They are fine for mixed border, or planted singly in half-shady places near a walk or drive. The racemes of flowers are often two feet in length, containing scores of the prettily-spotted thimble-shaped flowers. Perfectly hardy. Sow the seed in the spring in the garden, and transplant as desired. Perennial. MIXED VARIETIES. Price, pkt., 5c; 2 pkts., 8c; 1/4 oz., 25 cents.

Four O'Clocks Mixed

1097 (Marvel of Peru)

THIS handsome, well-known, free-flowering garden favorite does well in any soil and under almost all conditions. Produces large flowers of many brilliant colors. The flowers are at the height of perfection during the afternoon. Height, 2 feet. Sow seed where intended to bloom in May. Price, pkt., 5c; 2 pkts., 8c; 1 oz., 30c.

Godetia

(*Gloriosa*)

THE loveliest of all the Godetia family, producing long spikes with 16 to 18 beautiful deep crimson flowers, excellent for cutting. A spike of half-opened buds continues to develop a long time, if fresh water is supplied each day. A bed of Gloriosa is exceedingly effective, especially when Sweet Alyssum or White Candytuft is grown for a border. Price, pkt., 6c; 2 pkts., 10c.

Godetia

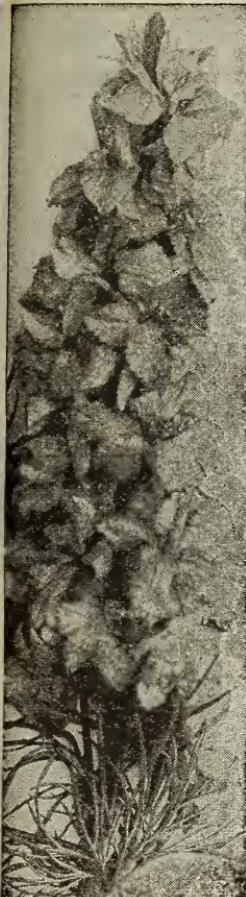
(Mixed)

THIS delightful flower is not so widely known as it deserves to be. The habit of the species is excellent and the glossy, silky texture of the petals is worthy of inspection. The Godetia makes an excellent cut flower, a spike of open buds continuing to develop for a long time, if fresh supplies of water be given daily. It also makes an effective pot plant for the greenhouse when sown at the end of summer and kept growing through the winter in a cool house. Sow in the open ground in May where they are intended to bloom. Put in a bed of Godetias and Larkspur mixed, and you will certainly be delighted with the effect. Price, pkt., 5c; 2 pkts., 8c; 1 oz., 40c.

Dusty Miller

1030 (*Centaurea*)

A VERY effective border plant popular everywhere, its thick white, silvery leaf being very much admired. Price, pkt., 5c; 2 pkts., 8c.



Larkspur

Hollyhocks—Larkspur

Hollyhock

1075

(New Annual)

A COMPARATIVELY new class, of easy culture, and flowering as quickly from seed as any garden annual. The plants from early sown seed set out in May, begin flowering in July; the May sown, in August; but in either event, they flower profusely until frost. The plants are vigorous in growth and naturally branching in habit, and if given the best of treatment will thrive luxuriantly. The soil should be very rich, deeply dug; and during dry weather, water liberally. The diversity of colors and color combinations in this strain, including maroon, pink, rose, crimson, white, cerise, scarlet, and many variegations of dainty and exquisite blending. To insure early bloom, it is best to sow Hollyhocks about March or April in boxes or pans in a cold frame, or where they will be protected from frost, and transplant them where they are intended to bloom early in May, or when all signs of frost have passed. Price, pkt., 10c; 2 pkts., 15c; $\frac{1}{4}$ oz., 30c.

Hollyhocks

1077 (Double Show Varieties in Separate Colors)

WE offer a most complete collection of these old-fashioned flowers in the following distinct colors:

Double Crimson	6c per pkt.
Double Rose	6c per pkt.
Double Salmon	6c per pkt.
Double Sulphur Yellow	6c per pkt.
Double Pure White	6c per pkt.

Complete collection of above 5 separate colors, 25c.

Passion Flower

1170 (Passiflora Coerulea)

AMOST interesting and well-known order of climbers, bearing singularly beautiful flowers. They are the pride of South America and the West Indies, where the woods are filled with their species, climbing from tree to tree, bearing flowers of striking beauty. Price, pkt., 5c; 2 pkts., 8 cents.

Gourd

1071 (Ornamental)

RAPID growing annual climbers for covering arbors, fences, etc., with ornamental foliage and curious shaped fruit. Price, pkt., 5c; 2 pkts., 8c; 1 oz., 30c.

Larkspur

(Dwarf Rocket)

1081

ONE of the easiest of easy flowers to grow, and certainly one of the prettiest. It is the annual Delphinium, grows $1\frac{1}{2}$ to 2 feet high. Fine for cut flowers and for the border; blue, rose, white, delicate pink, carmine, light blue, mauve, purple, etc., spikes of bloom. Don't miss the real pleasure to be derived from a batch of these glorious flowers. If you have any favorite colors, you will surely get them all in a batch of our Dwarf Rocket Larkspurs. Sow in boxes in the early spring, and protect from frost; or sow in the open ground in May. Price, pkt., 5c; 2 pkts., 8c; 1 oz., 30c.

Golden Rod

(Solidago Canadensis)

1073

THE well-known golden-yellow favorite; hardy perennial; 2 to 5 feet in height. Price, pkt., 5c; 2 pkts., 8 cents.

Blanket Flower

(Gaillardia Hybrid Mixed*)

REMARKABLE for the profusion, size and brilliancy of flowers, blooming from early summer to November. Excellent for border or for cut flowers. Price, pkt., 10c; 2 pkts., 15c; 1 oz., 40c.



Hollyhock

A Page of Old Favorites

Mignonette

1085

Mammoth Flowering, Sweet Scented

SOW in the open ground after all fear of frost has passed. Our Mammoth Flowering Mignonette is much superior to the common variety so often bought in the stores that will develop into nothing much better than a weed. The most beautiful bright red Mignonette in existence; the color being a magnificent pure bright red; extremely showy and enormous grand flowers; foliage beautiful rich green; a perfect flower for cutting, will remain quite fresh and fragrant for 10 to 12 days in water, the water being changed each day. Price, pkt., 5c; 2 pkts., Sc; 1 oz., 15c.



Japanese Kudza Vine

1091

TO this must be awarded first place as the fastest growing hardy climbing plant. It will grow 8 to 10 feet the first year from seed, and after it has become established, there seems to be no limit to its growth, 50 feet in a single season being not unusual. Its foliage is large and covers well; it bears small racemes of rosy-purple, pea-shaped blossoms towards the end of August. A splendid subject for covering permanently verandas, dead trees, etc. Price, pkt., 5c; 2 pkts., Sc.

Mourning Bride



Mourning Bride

T1087 Sweet Scabious Mixed
HEY range in color from the purest white to the richest purple. No matter what your fancy colors may be, you will find them in this splendid mixture. When given plenty of room and the seed vessels are kept regularly picked off, it will bloom right through the summer and fall. One of the finest plants for bed or border, and for cutting it is hard to surpass. Height, 18 inches. Sow the seed in heat in February and March in a pan or small box, and transplant the seedlings 3 inches apart in larger boxes; harden off as spring advances, and set out in the border towards the end of May. They may also be sown where intended to bloom. Price, pkt., 5c; 2 pkts., Sc; 1 oz., 50c.

Tall Nasturtiums

1107

Giant Flowering Mixed

THIS grand mixture contains a wealth of color seldom found in other mixtures: Crimson, rose, yellow, pink, orange, white, spotted, etc., etc. They are easy to grow. All they need is a moderately good soil in a well-drained sunny position, and from within a few weeks from the time they are sown, until hard frost comes, there is an endless confusion of gorgeous blossoms. An excellent and luxuriant climber for verandas, trellises, etc. Useful for covering unsightly buildings. Price, pkt., 5c; 1 oz., 10c; $\frac{1}{4}$ lb., 35c; $\frac{1}{2}$ lb., 60c; 1 lb., \$1.00.

Hyacinth Bean

1059

Dolichos Lablab

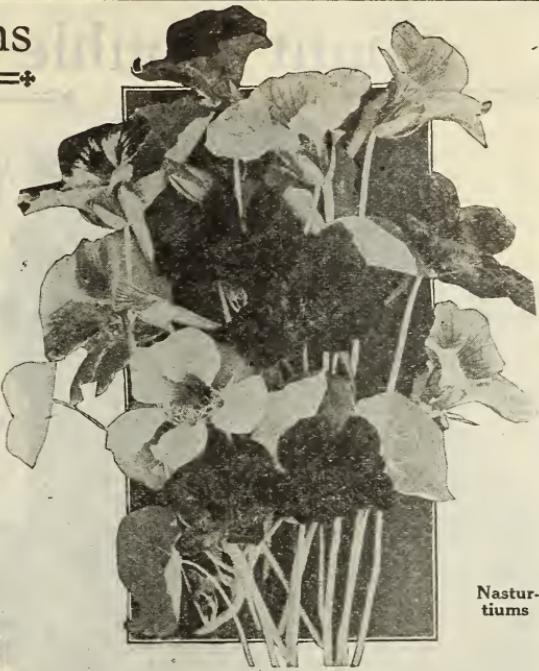
SPLENLID climbers with abundant clustered spikes of purple and white flowers, which are followed by exceedingly ornamental seed pods. It is of rapid growth and often runs 30 feet in a season. Average height, 10 to 20 feet. Tender annual. Price, pkt., 5c; 2 pkts., Sc; 1 oz., 15c.

For All Gardens

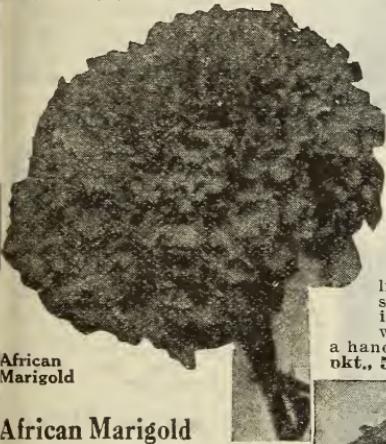
Dwarf Nasturtiums Tom Thumb Giant Flowering

1127

HERE is no finer mixture anywhere than our Giant Flowering Tom Thumb. It contains all the known shades and colors in the Nasturtium family. All the new varieties from the best growers. Individual plants grow about 10 inches to 12 inches high, and about 12 inches across, and are completely covered with mammoth flowers measuring from 2 to 3 inches. For flower beds, borders, window boxes or hanging baskets. Seed sown in the open ground in the spring will produce plants that commence blooming during early summer and continue right on to late frost. Our mixture contains, amongst others, the following shades and colors: Crimson, red, rose, purple, pink, yellow, orange, carmine, creamy-white, striped, blotched, etc. Price, pkt., 5c; 1 oz., 15c; $\frac{1}{4}$ lb., 35c; $\frac{1}{2}$ lb., 30c; 1 lb., \$1.00.



Nasturtiums



African Marigold

African Marigold

1103

THE African Marigold produces densely double flowers 8 to 10 inches in circumference and of the regularity and perfection of a Dahlia. For effective garden display during the summer and fall, nothing can surpass. Color of flowers brilliant golden-orange and pale canary-yellow. Price, pkt., 5c; 2 pkts., 8c; $\frac{1}{4}$ oz., 20c.

Tall Nasturtiums

1281 (Variegated Leaved Mixed)

EVERY leaf is variegated with yellow, white and green. Some of the leaves are one-half to two-thirds white and yellow; while others are mostly green, but beautifully striped and blotched. The flowers are of all colors. Price, pkt., 10c; 2 pkts., 18c; oz., 30c.



French Marigold

1105

ONE of the prettiest and handsomest of Marigolds; grows about 12 inches high, and is literally covered with light, dark-brown and gold striped flowers. Owing to its deep root, it is able to withstand drought. Makes a handsome edging plant. Price, pkt., 5c; 2 pkts., 8c; $\frac{1}{4}$ oz., 20c.

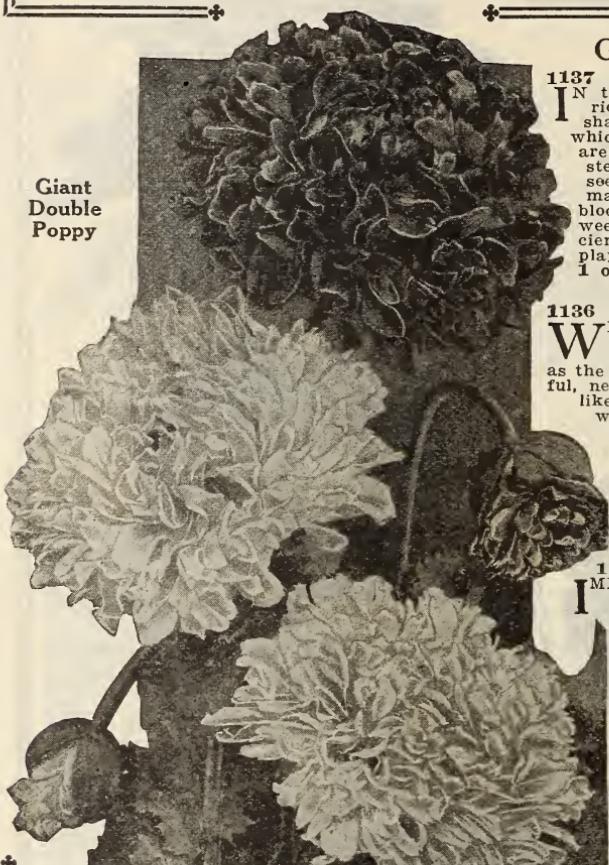
Dwarf Nasturtiums

1283

(Variegated Leaved Mixed)

COLORS range from deep crimson to yellow, buff and spotted; of fine form and of the largest size. Very effective, forming a fine contrast to the silver variegated or cream and green colored leaves of the foliage. Useful for growing as single plants among other flowers for edging walks, or surmounting walls. Price, pkt., 10c; 2 pkts., 18c; oz., 30c.

Giant Double Poppies



Giant Double Poppy

Giant Double Poppies

1137 A Beautiful Mixture
IN this mixture is included only the richest, most brilliant and loveliest shades and colors. The flowers, which are 4 to 5 inches in diameter, are produced in great abundance on stems 2 1/2 to 3 feet long; and if the seed pods are plucked off as they mature, a continuous supply of bloom may be expected for many weeks. One packet contains sufficient seed to make a gorgeous display. Price, pkt., 5c; 2 pkts., 8c; 1 oz., 25c.

Iceland Poppy

1136 WHILE these are hardy perennials, they flower the first year from seed, blooming almost as quickly as the annual sorts. They are of graceful, neat habit, with bright green, fern-like foliage, formed in tufts, from which issue slender stalks about 12 inches high, bearing their brilliant flowers in endless profusion. They remain green throughout the winter, coming into bloom early the following spring. Mixed colors. Price, pkt., 5c; 2 pkts., 8c; 1 oz., 40c.

White Swan Poppy

1138 IMMENSE double flowers, beautifully fringed and of purest white; of the same dwarf habit as Cardinal. Price, pkt., 5c; 2 pkts., 8c; 1 oz., 40c.

Cardinal Poppy

1139 A SPLENDID dwarf variety of the carnation-flowered type, growing about 2 feet high and bearing large, globular, fringed flowers of an intense cardinal red. Price, pkt., 5c; 2 pkts., 8c; 1 oz., 40c.

Orange African Daisy

1063 *Dimorphotheca Aurantiaca*
A RARE and extremely showy annual Daisy from South Africa which thrives under our climatic conditions perfectly. The bushy plants grow 12 to 15 inches high. The flowers, 2 1/2 inches across, are a unique, rich, glossy, orange-gold, with dark disc. Sow the same way as Aster. Should have a sunny position. Bloom greater part of summer and fall. Price, pkt., 5c; 2 pkts., 8c; 1/4 oz., 50c.

Lady Slipper (Double Flowered)

1024 *Balsam, Camellia*
A RICH soil is not necessary; all they require is plenty of room. The gigantic flowers are double and perfect about two inches in diameter. As the colors are some of the most beautiful to behold, their gorgeous splendor is a remarkably attractive sight. Price, pkt., 5c; 2 pkts., 8c; 1 oz., 20c.

Morning Glory

1089 *Japanese Improved or Giant Flowering*
FLOWERS of huge size, with colorings and markings that are quite beyond description. They include every shade and color from snow-white to deep purple. Many are spotted, marbled, striped, flaked, and splashed. Price, pkt., 5c; 2 pkts., 8c; 1 oz., 15 cents.

Hardy Larkspur

Delphinium Belladonna

1267 THE Free-est and most continuous blooming Hardy Larkspur, never being out of flower from the end of June until cut down by severe frost. The clear turquoise blue of its flowers is not equalled for delicacy and beauty by any other flower. Seed sown in the early spring will produce plants that will bloom freely through the late summer and autumn.

Among the best plants for mixed borders, where they make an imposing display with their long spikes of graceful flowers, ranging in color through many shades of blue and others. Perennial Larkspurs grow better than annual varieties; they should be planted further apart. By keeping the plants well watered, and the flowers cut, a second crop of bloom may be had. Price, pkt., 10c; 2 pkts., 15c.

Orange Crown

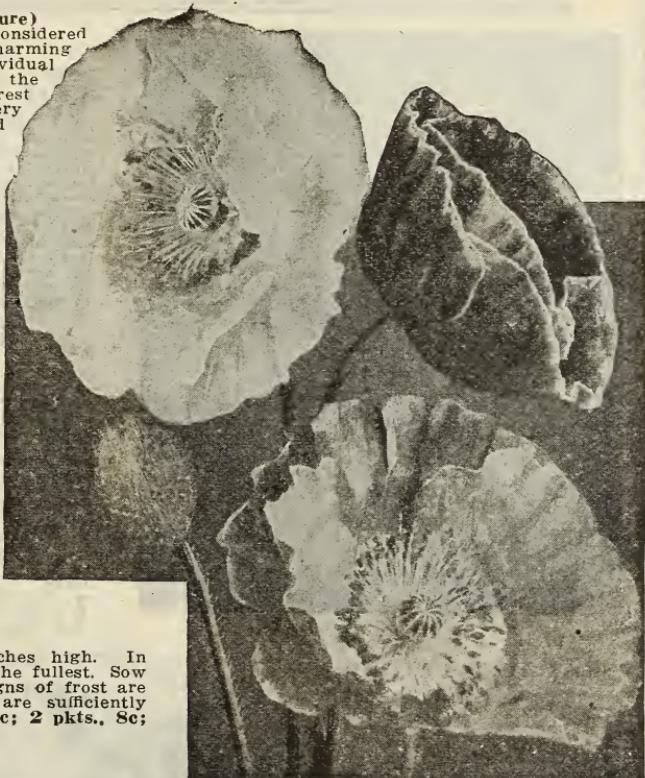
Cosmидium Burrigeanum

1268 VERY handsome new annual, forming elegant, many-branched bushes of 1 1/2 to 2 feet in height. The flower heads, 1 1/2 to 1 3/4 inches in diameter, are carried on long, slender, but self-supporting stems, well above the graceful, linear foliage. Ray florets golden yellow with a broad conspicuous circle of a rich orange around the disc. Plants produce a constant succession of bloom. Price, pkt., 8c; 2 pkts., 12c.

SHIRLEY OR GHOST POPPIES

1135 (Galloway's Beauty Mixture)

THIS strain particularly is considered by many as the most charming in cultivation. The individual flowers are large and elegant, the exquisite colors range from purest white to deep blood-red, in every conceivable combination and markings. Plants grow from 8 to 24 inches high; are well-branched, and produce immense quantities of flowers right through the summer. Many of them measure as high as 4 inches across. Put in a bed of our Beauty Ghost Shirley Poppies, and border them with Sweet Alyssum. The effect will be pleasing in the extreme, and bound to please the most critical lover of the artistic in flowers. Sow out of doors where they are intended to bloom, as soon as the weather permits. Price, pkts., 5c; 2 pkts., 8c; 1 oz., 15 cents.

Eschscholtzia
Californica

1134 (California Poppy)

SHOWY and comes into bloom soon after its appearance above ground. It stands considerable cold and blooms after the first frosts. Very attractive as an edging because of its interesting and lush foliage. The plants grow bushy and about 12 inches high. In sunshine the petals open up to the fullest. Sow in the open ground when all signs of frost are past. Thin out when plants are sufficiently large to handle. Price, pkt., 5c; 2 pkts., 8c; oz., 20c.

Pentstemon

1168

BILLIANT flowers, somewhat like Foxglove, mostly with white throats; continual bloomers; makes a fine border flower. Average height, 2 to 3 feet. Sow seeds in a pan of light soil in the early spring and transplant about May or June. They keep a long time in water when cut. Price, pkt., 5c; 2 pkts., 8c; oz., 30c.



Painted Tongue

Ghost Poppy

(Beard's Tongue)

Painted Tongue
Salpiglossis Mixed)

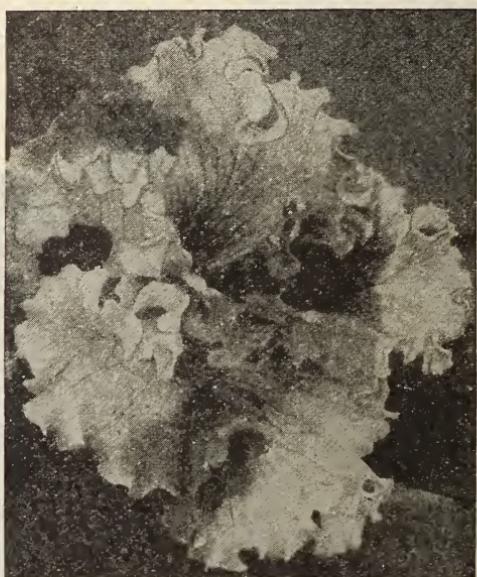
BEAUTIFUL bedding plant with Orchid-like flowers, greatly used for cut bloom; will remain fresh a long time after being cut. Produces an abundance of fascinating blooms, and throughout the entire summer and fall; strong; of erect growth, bearing flowers of the finest markings. Our mixture contains only the very best and largest flowering varieties. Sow seed early in the spring in a hotbed or window box, and transplant when weather is settled; or sow seed out of doors after danger of frost. Price, pkt., 5c; 2 pkts., 8c; oz., 50c.

Everlasting Flowers

1269 (Helichrysum Monstrosum Mixed)

ARGE, full, double, daisy like flower heads with prominent centers and stiff overlapping scales. Produced in various shades of bright yellow and scarlet on stems of good length. Desirable as dried specimens and for use in making winter bouquets. For this purpose, the flowers should be gathered when on the point of expanding. Sow early in the spring; thin to 1 foot apart each way. Hardy annual; 2 to 2 1/2 feet high. Price, pkt., 5c; 2 pkts., 8c.

Petunias and Rainbow Corn



Petunia Model

Bedding Petunias

COMPACT, bushy little plants, seldom more than 8 inches high. They are desirable for culture in pots and window boxes; also for garden beds, borders and edgings. The flowers, while not large, remain boldly expanded, and in their profusion frequently hide the plants for months.

1202—Dwarf Inimitable. Cherry red with white star, pkt., 5c.

1203—Blotched and striped, pkt., 5 cents.

1204—Pure white, pkt., 5c.

1205—Snowball. White, pkt., 5c.

1207 —Rosy Morn, pkt., 5c.

1208 —Howard's Star. Crimson maroon with a clearly defined five-point star in center of flower. Fine for baskets, vases, etc., pkt., 10 cents.

1201—The above complete collection of 6 pkts. for 30 cents.

Petunia

1200 Model Mixed

We have taken great pains to secure a stock of this universally popular and loved flower to insure our thousands of customers getting the finest and best that is grown anywhere. Our Model Mixture is unequalled for size and bloom and great diversity of color. The flowers are beautifully striped and blotched with a good blend of the delightfully fringed varieties. It also includes all the best colors of the large flowering section: blue, red, scarlet, white, crimson, violet, etc. Height 18 inches. Price, pkt., 5c; 2 pkts., 8c; $\frac{1}{4}$ oz., 25c.

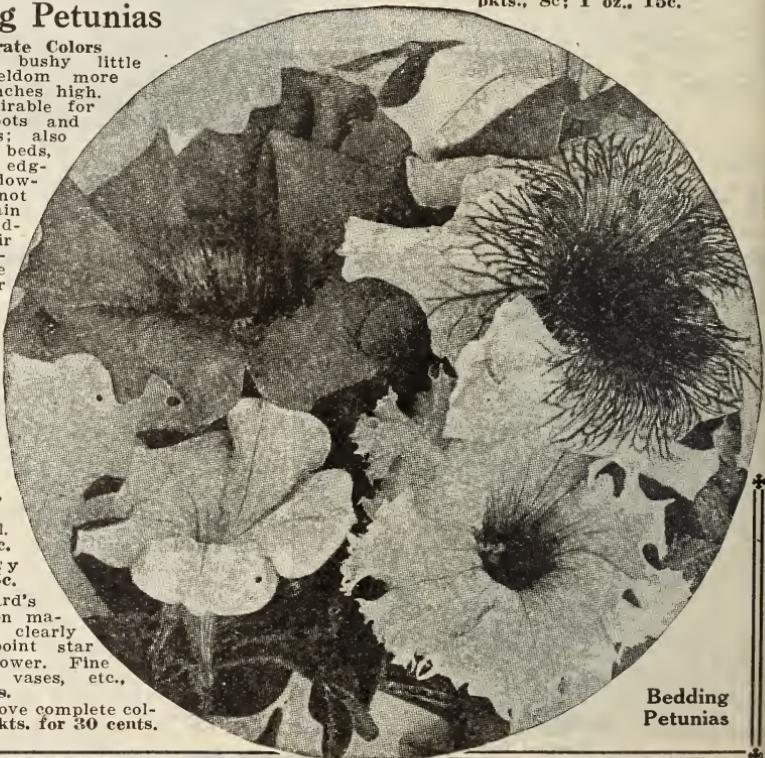
Rainbow Corn

As an ornamental foliage plant, this is not only highly effective, but very interesting. It grows about 5 feet high, quite bushy; the wonderfully variegated leaves being striped with bright green, silvery-white, rosy-purple, and sulphur-yellow. It makes a very pretty dividing line between the vegetable and flower garden, or it may be used in the mixed border. Price, pkt., 8c; 2 pkts., 12 cents.

Joseph's Coat

1018 *Amaranthus Tricolor*

LEAVES red, yellow and green; a very handsome and showy plant; three feet high. Price, pkt., 5c; 2 pkts., 8c; 1 oz. 15c.



Bedding Petunias

Stocks and Sweet William.

Castor Oil Plant

1053

Ricinus Mixed

A WELL known ornamental plant of stately growth and picturesque foliage, extensively used around lawns and shrubberies to give a subtropical effect; make delightful center plants for beds. Just try a bed planted in the following way: Center of bed 2 or 3 Castor Oil plants, surround these with *Salvia* (Scarlet Sage), and as an outside border, use White Rocket Candytuft. The varied foliage of the Castor Oil plants, the brilliant scarlet of the Sage, and the snow-white border of Candytuft, will make a magnificent display very hard to beat.

Our mixture is a delightful blend of all the best named varieties and includes all the following shades and colors: Bright Green, Deep Red, Bronze, Green and White, Carmine and Pink; a truly magnificent mixture, worthy of a place in every garden. As a pot plant for veranda decoration they are fine; they hold their own with the best of Palms, Dracenas, etc. Put one plant in a 12-inch pot or tub. Two or three standing about the veranda or porch will add dignity to any home. Price, pkt., 5c; 2 pkts., 8c; 1 oz., 15c.

Clarkia Mixed

BRIGHT and attractive annuals of easy culture. The long, graceful sprays are valuable for table decorations. They thrive in sun or shade, growing 2 to 2 1/2 feet



Castor Oil Plant (Ricinus)

high, with masses of double flowers, which all open in water when cut. All colors mixed. Price, pkt., 5c; 2 pkts., 8c; 1 oz., 25c.

Job's Tears

1032 Coix Lachryma

AN ornamental grass with broad leaves and shiny, pearl-like seeds, used for beads. Plant early in the spring, four or five seeds in a hill, one-half inch deep. Grows three feet high. Price, pkt., 5c; 2 pkts., 8c; 1 oz., 15c.

Ten Weeks' Stocks (Double)

1232 Giant Flowering Mixed

THIS stock is one of the most popular annuals, either for bedding or pot culture. For brilliancy and diversity of color, fragrance, profusion and duration of bloom, it is unsurpassed. Start the seeds in February or March; and as soon as the plants have their second pair of leaves, set out into shallow boxes; and in about four weeks the plants will be ready to pot; from which they should be transferred to the open ground in May or June. Price, pkt., 5c; 2 pkts., 8c; 1/4 oz., 50c.

Tobacco Plant

1132—*Nicotiana Affinis*

AGEM for bedding. Most showy and profuse bloomer, giving a continuous display of waxy white flowers right through the summer and autumn. They commence to bloom a few weeks from sowing. The plants are of branching, bushy habit, 2 to 3 feet high; carry their flowers in clusters. One single plant will bear thousands of blooms during the season. The effect in the garden is simply wonderful. Delightfully sweet-scented. Sow seed in boxes or pans in the early spring, and protect from frost and cold winds. Plant out as soon as all danger of frost is over. Price, pkt., 5c; 2 pkts., 8c; 1/4 oz., 20c.

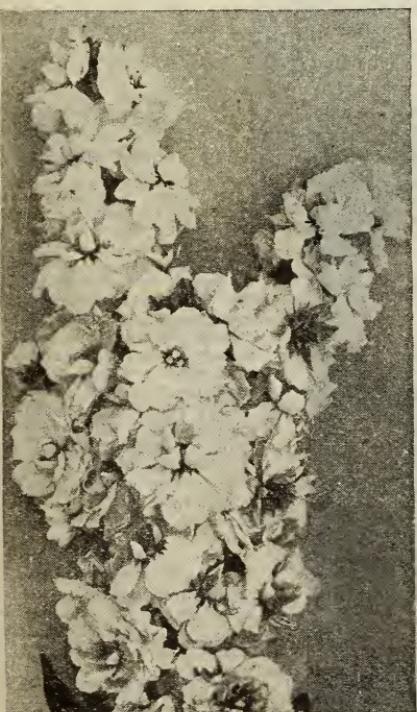
Sweet William

Dianthus Barbatus

ABEAUTIFUL free-blooming hardy perennial, producing a splendid effect in beds and borders; has rich and varied flowers.

1234—Single White	.....	pkts.	5c
1235—Single Crimson	.....	pkts.	5c
1236—Single Scarlet	.....	pkts.	5c
1237—Single Velvet Black Maroon	.....	pkts.	5c
1238—Single Red with White Eye	.....	pkts.	5c
1240—Single Mixed, all colors	.....	pkts.	5c; oz., 40c

Ten Weeks' Stock



Phlox Drummondii Grandiflora

1210—(Mixed)

HERE never was a time when this immensely pretty flower was more popular than it is today, and there's a reason. A few years ago the colors were restricted to about six shades, but today there seems to be no limit to them. We don't think there is a single known shade or color missing in our Grandiflora mixture. A bed of Phlox in itself is a delightful sight, a perfect mass of bewildering color; from seed sown in the spring, they soon become a perfect sheet of bloom. They produce masses of bloom from ground to summit. They are easily grown, succeeding in any sunny situation, beginning to bloom in the early summer, and continuing right through until the close of fall. If you want a delightfully bright and interesting garden, be sure you don't forget this lovely flower. Height, 8 to 10 inches. Price, pkt., 5c; 2 pkts., 8c; oz., 25c.

Phlox Drummondii Grandiflora

(In separate colors)

THE flowers in this section have round petals and larger flowers than the old sorts. These varieties we have found to come quite true from seed.

1211—White.	Soft Pure White.....	pkt. 10c
1212—Brilliant.	Deep pink, shading lighter at the edge of petals	pkt. 10c
1213—Light Rose.	A soft, pretty shade.....	pkt. 10c
1214—Carmine	with white center. A brilliant shade of rose	pkt. 10c
1215—Splendens.	A soft shade of scarlet, between scarlet and carmine	pkt. 10c
1216—Splendens	with white center. The large white center gives a striking effect.....	pkt. 10c
1217—Light Yellow.	Pale primrose yellow.....	pkt. 10c
1218—Scarlet.	A brilliant velvety color.....	pkt. 10c
1219—Dark Red.	A deep velvety blood red; rich.....	pkt. 10c
1220—Dark Red	with white center. Rich and striking	pkt. 10c
1221—Any six of the above colors for.....		50c

Verbenas

1242 (Giant Mixed)

ANOTHER flower that has been improved almost out of recognition. Whereas, only a few years ago, the flowers were woefully small and their color limited to but a few shades; today, it is a handsome plant with a range of color that is almost bewildering. Few plants are better liked and give more satisfaction. They are strong, healthy and vigorous; bloom freely right through the summer and fall. For garden beds and massing, these Verbenas are unrivaled. A bed of Verbenas with a border of White Candytuft or Sweet Alyssum makes a gorgeous display. To insure early bloom, it is best to sow Verbenas about March or April in boxes or pans in a cold frame, or where they will be protected from frost; and transplant to the open ground early in May, or when all signs of frost are past. Price, pkt., 5c; 2 pkts., 8c; oz., 85c.

A Beautiful Bed of Our Famous Phlox Drummondii from a Photograph

Pansies of Every Kind for Every Purpose

Giant Butterfly Mixed

1178 (The Largest Flowering Pansies in the World)

EVERYBODY, young and old, loves the Pansy; and we are sure our Giant Butterfly Mixture will compel an even greater appreciation of this lovely flower than ever. It is a superb mixture of all the largest and best types in every known class. Will produce enormous blooms in all the richest colorings and markings. It is the best of all the American and Continental strains, and secured by us only at great expense. They are variously colored in all the richest shades, markings and lacings, many of them being beautifully crimped, a very curious combination of coloring that cannot fail to elicit astonishment by all who see them. The mixture from which growers often discover new and beautiful strains. A grand class from which to select exhibition blooms. Price, pkt., 10c; 2 pkts., 15c; oz., \$2.00.



Bedding Pansies

(In separate colors)

THE following selection of Giant Pansies is excellent for bedding purposes; they are also very effective as border plants.

- 1188—Faust (King of the Blacks). Almost black pkt. 10c
- 1189—Cardinal. Nearest approach to a bright red pkt. 10c
- 1191—Lord Beaconsfield. Deep purple-Violet, shading to white on upper petals; very effective pkt. 10c
- 1192—Chocolate colored. Rich and velvety pkt. 10c
- 1179—Peacock. Upper petals ultramarine blue; lower, deep claret with white margins pkt. 10c
- 1180—Psyche. Five velvety violet blotches, relieved by a broad margin of white; petals beautifully ruffled. pkt. 10c
- 1181—Snowy Queen (*Candidissima*). Satin white pkt. 10c
- 1182—White, with dark eye pkt. 10c
- 1183—Golden Yellow, with dark eye pkt. 10c
- 1184—Canary Yellow. Pure yellow without eye pkt. 10c

Pansies

1193 (Giant Masterpiece Mixed)

THE highest perfect in the Giant Five-spotted Pansies, and for this reason it is named "Masterpiece." Strongest habit and healthiest appearance. The enormous flowers are borne on strong stems. A distinct mark is, that the petals of the flowers are waved or curled, so that this strain possesses greatest substance. The flowers are perfectly round and contain the richest combination of colors. Each petal is distinctly marked with a very large dark blotch and most of the flowers are margined with a light, white or yellow edge. Price, pkt., 10c; 2 pkts., 15c.

Pansies

CULTURE—The Pansy will succeed in any soil that is not too high or dry. In the early spring, the seed should be sown in boxes and, when the plants are large enough, planted out in the garden. Plant not less than 6 inches apart. There should be no check in their progress, either by cold winds, very hard frost or long drought; nor should they be watered with very cold water during the hottest weather.

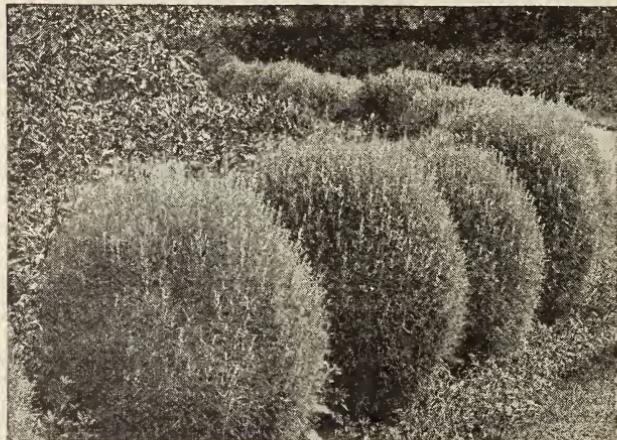
Salvias or Scarlet Sage

1230 (Scarlet Sage)

A BED or border of Scarlet Sage always compels attention. The large waving masses of scarlet bloom against green surroundings of lawn or foliage is matchless. Salvias can be grown in almost any position with fine effect; in the flower bed, along the walk or in borders. They also add to the attractiveness of a shrubbery if planted in clumps in the vacant spaces, the varied shades of green and the dazzling scarlet have a most pleasing effect. We offer only the large flowered variety, which produces flowers twice the size and twice as numerous, as the old variety; height of plants three feet, with flowering stems from base to tip of plant. They make fine pot plants.

To insure early bloom, it is best to sow Salvia about March or April in boxes or pans in a cold frame or where they will be protected from frost; and transplant them where they are intended to bloom, early in May, or when all danger of frost is past. Price, pkt., 5c; pkts., 8c; oz.. \$2.00.

Kochia Scoparia (Burning Bush)



1079 (Trichophylla)

K OCHIA SCOPARIA is one of those old-time plants that fell out of general cultivation for many years. An improved type has now been evolved, which makes a pretty plant, with a habit much resembling one of the compact evergreen shrubs. The seed should be sown in the spring under glass, and the seedlings potted off singly, to be ultimately bedded out or plunged in the pots in which they are growing. The plants should be pinched back and trimmed to shape when necessary. Height, about 2 feet. Price, pkt., 5c; 2 pkts.. 8c; 1 oz.. 75c.

Love-In-a-Mist—Calabash Gourds

African Pipe Calabash Gourd

681 **Something New**

THE increasing popularity of the Calabash Pipe, made from the fruits of a South African Calabash Gourd, has aroused a widespread interest in the growing of the vine, especially now that it has become known that the plant will thrive in all parts of the United States. The pipes are the lightest in the world for their size, graceful in shape, color like meerschaum, and provide a cool smoke. But at present they are almost prohibitive because the American dealers, although importing the gourds at prices ranging from 50c to \$2.00 per dozen, sell them in made-up pipes at prices ranging from \$1.50 to \$10.00 each. Anybody can grow their own gourds and make handsome pipes. Almost every smoker will buy one or two pipes at prices ranging from 50c to \$1.00 each. Rubber mouth-pieces, nickel-plated ferrule, and plaster of paris bowl will cost about 20c for each pipe. The mouthpiece and ferrule can be purchased at any cigar store, and the plaster of paris can be purchased at all drug stores. If not making pipes for the market, the growing of a few plants as a means of providing pipes for the grower's private use and for his neighbors will prove interesting.

The vine may be grown almost anywhere, and forms a very satisfactory cover for unsightly brush heaps or back fences; although the rank odor might prove objectionable if used on an arbor too near the house. To grow the vine for the sake of the gourd is the chief interest, and to do this well, it should not be trained on a trellis, but should be allowed to trail over the ground. Price, pkt., 10c; 2 pkts., 15c (postpaid).

Love in a Mist

1099 **(Nigella)**

A COMPACT, free-flowering plant, with very finely cut foliage. The plants grow to oval bush from 15 to 18 inches high. A very curious and interesting plant. In the finely cut fern-like foliage nestle hundreds of lovely, bright blue double flowers, 1½ inches across, a distinct and pretty novelty that is bound to interest and please all who grow it. Sow in the open ground in May. Price, pkt., 5c; 2 pkts., 8c; 1 oz., 20 cents.

Wallflowers

1244 **(Finest Mixture)**

THESE beautiful flowers are great favorites with the European gardeners. They are not grown much in this country as they deserve to be. They are perennials and make nice bushy plants 1½ feet high, bearing in the spring long spikes of fragrant flowers of many colors. They are excellent for cutting. Price, pkt., 5c; 2 pkts., 8c; oz., 25c.

January 26, 1917.

I have been planting your garden seeds for three years, and have never found anything better; they always grow and are true to name.

Mr. J. W. Todd,
Dunlap, Calif.

Salvia Zurich

1293 **(Flowering Sage)**

A SPLENDID dwarf variety growing about 2 feet high, and is especially valuable on account of being the earliest to bloom, flowering ten days in advance of any other sort. It is among the most brilliantly colored of garden flowers, and extremely useful for bedding; also valuable for pot culture and cutting. Blooms are borne in long spikes well above the foliage, and are of fiery red, continuing in bloom a long time. The densely filled flower spikes are often 8 to 10 inches long, and include 30 or more tube-like florets, 1 to 2 inches in length. Seed can be sown out of doors after danger of frost is past. Tender perennial, but blooms the first season. Price, pkt., 10c; 2 pkts., 18c.

Horn of Plenty

1061 **(Datura Cornucopia)**

VERY attractive, bushy plants of easy growth that, during the whole season, are covered with elegant, fragrant, trumpet-shaped flowers. Hardy annual. Height, 3 feet.

A magnificent variety. The blooms average 8 inches long by 5 inches across; the color is white inside, while the outside is most beautifully marbled with royal purple. Price, pkt., 5c; 2 pkts., 8c; 1 oz., 50c.

Zinnia

1246 **(Mammoth Double Mixed)**

THIS mixture of Zinnias cannot be beaten either for the quality of the flowers or the range in colors. It contains every type of Zinnia known, including the beautiful curled and crested varieties. The colors include white, crimson, violet, purple, orange, scarlet, yellow, lilac, rose, sulphur and pink. The plants grow 2 to 3 feet high, producing their handsome double flowers on long stems. Few flowers give greater satisfaction to their raisers than the beautiful double Zinnias. Price, pkt., 5c; 2 pkts., 8c; oz., 40c.



Love in a Mist

Giant Flowering Sweet Peas In Mixed or Separate Colors

SELECTED from the best named varieties outside the Orchid Flowering type. As many of our customers like to sow Sweet Peas in separate colors we offer your choice of the following shades put up in separate packets, and we guarantee them to have perfect bloom and length of stem.

1156—Pure White	1156I—Pure Striped
1156A—Pure Pink	1156J—Pure Laven-
1156B—Pure Prim-	der
rose	1156K—Pure
1156C—Pure Blue	Orange
1156D—Pure Crim-	1156L—Pure Blush
son	1156M—Pure Pink
1156E—Pure Ma-	and White
roon	1156N—Pure Scar-
	let

Price per pkt. (state color or give number wanted) 5c; 1 oz., 15c
1156G—Collection of 12 pkts. (separate colors) 50c
1156H—All above colors in mixture (12 shades), pkt., 5c; 1 oz., 10c, postpaid.

Zinnia

1246 (Mammoth Double Mixed)

THIS mixture of Zinnias cannot be beaten either for the quality of the flowers or the range in colors. It contains every type of Zinnia known, including the beautiful curled and crested varieties. The colors include white, crimson, violet, purple, orange, scarlet, yellow, lilac, rose, sulphur and pink. The plants grow 2 to 3 feet high, producing their handsome double flowers on long stems. Few flowers give greater satisfaction to their raiser than the beautiful double Zinnias. Price, pkt., 5c; oz., 40c.

January 1, 1917.

I used your seed in 1915 with good results in Illinois, so I wish to give them a trial in this state.
Mrs. May Bennett,
Route 1, Horn
Beak, Tenn.

Galloway's Masterpiece Sweet Pea Mixture

1287

CONTRACTING with growers for large quantities at special prices enables us to offer Sweet Peas to our customers at prices never heard of before, considering quality. This Masterpiece mixture consists of the latest and best types, such as Spencers, Unwins, Eckfords, Grandiflora, etc.—nearly every known shade and color being found in this splendid assortment. 500 seeds sufficient for row 40 ft. long. Price large pkt. (500 seeds) 10c; $\frac{1}{4}$ lb., 30c; $\frac{1}{2}$ lb., \$1.00, postpaid.

Nitragin

Nitragin is the secret of big bloom. If you are a lover of Sweet Peas, don't fail to secure a small can of Garden Size "Sweet Pea Nitragin." Sweet Peas is a Legume the same as Garden or Field peas. The best results can be obtained by using Nitragin. We would not think of planting sweet peas without inoculation with Nitragin. We use Nitragin on sweet peas' both in the greenhouse or open field.



A Galloway
Double
Zinnia

Dec. 27th, 1916.
The seed I ordered from you last spring was very satisfactory, and I want your 1917 Garden Guide.

Miss Ethel Brogdon,
Buford, Georgia.

No Garden Complete without Sweet Peas

Unequalled by any Flower for Range of Color and Fragrance

We have selected from the hundreds of varieties of Sweet Peas only those that we know will give the largest measure of satisfaction to our customers. Where ordinary varieties have not proved satisfactory we especially recommend our early flowering Spencers.

If you are not a particular grower and only want Sweet Peas for cutting, not caring for the solid colors, we recommend our Giant Orchid Flowering Mixture, or Giant Flowering Mixture, and our Masterpiece Mixture consisting of all the latest and best types of Spencers, Unwins, Eckfords, Grandiflora, etc., every known shade and color being found in this splendid assortment. Only large flowering, long stemmed varieties are included in our mixtures.

Spencer Varieties

		Price Postpaid	Pkt.	Oz.
1146	Sterling Stent ★			

A beautifully waved shrimp pink, most advanced Spencer type, very rich bright color. 10c 45c

1159 Dobbie's Cream ★

(See Page 69)

One of the best primrose Spencers yet produced. Strong growing, profuse blooming. Large, waved flowers, often duplexed, with many four-blossomed sprays. 10c 35c

1165 Thomas Stevenson ★

Brilliant orange scarlet, large Spencer form, the standard showing more orange than the wings. Vigorous vines, very floriferous; the intense coloring is heightened by beautiful shading. 10c 45c

1151 John Ingman ★

The same form and almost as large as Countess Spencer. Often bears four flowers to a spray. Color, carmine, rose color in the standard and bright rose in the wings; represents the deepest color in orchid flowering reds. 10c 40c

Florence Nightingale

Price
Postpaid

1147		Pkt.	Oz.
	Charmingly soft, yet rich lavender, enlivened by a very faint sheen of rose-pink. Wings large, well spread, frilled and waved. Plants flower profusely, the stout stems attaining a length of 12 to 16 in.	5c	30c

1161 King White ★

The finest pure white Sweet Pea ever offered. Vines extremely strong, flowers the largest of the finest frilled type, while the color is of the purest white, and eclipses all other white Sweet Peas. 10c 40c

1142 Othello

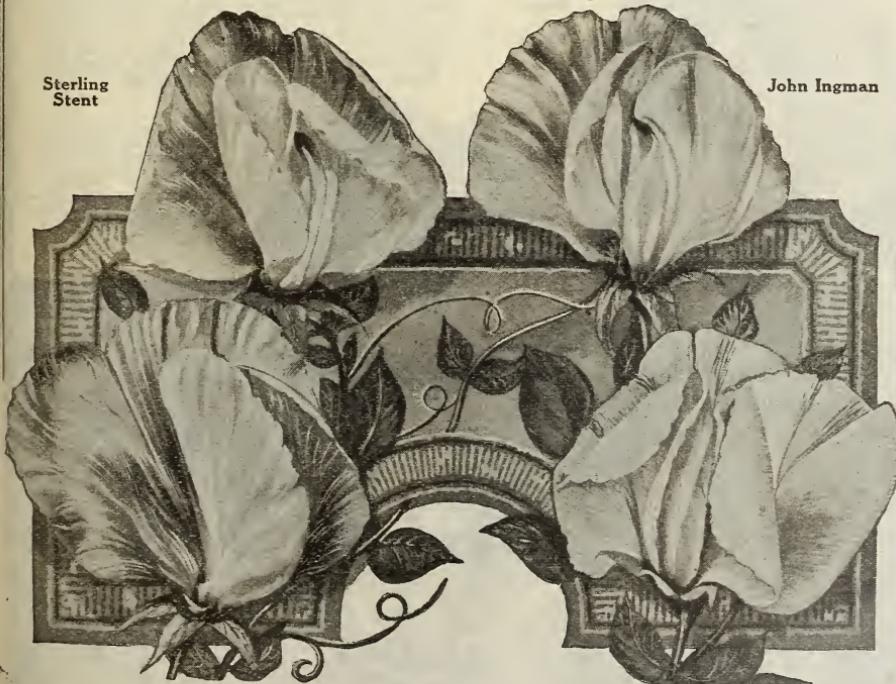
Deep velvety maroon. By far the finest of the dark-colored Spencers. Very large size, beautifully waved form. 5c 30c

1167 Wedgewood

Usually produces four flowers to a stem of a unique shade of Wedgewood blue, and in form equal to the finest Spencer. 15c 50c

Sterling Stent

John Ingman



Thomas Stevenson

Wedgewood

Plant Many Varieties for Gorgeous Colorings

Another Page of Spencers for Sweet Pea Lovers

NOTHING provides a quicker, more pleasing background than a row of Sweet Peas. They can be made to screen unsightly places, to divide the lawn from the vegetable garden and can be planted along division lines and will beautify properties on both sides. Plant more of them this year.

1140 Countess White ★ Price pkt. oz.

One of the finest and most magnificent White Sweet Peas ever introduced. The vines are almost completely covered with mammoth flowers. The flowers are borne 3 to 4 on a stem and are of splendid substance. It is without a rival among White Sweet Peas. 5c 35c

1141 Countess

Of perfect form, remarkable size and exquisite color. The flowers are often 1 1/2 to 2 in. in diameter, with both standard and wings charmingly waved and fluted. The coloring is an exquisite soft rose pink, daintily tinted with silvery white 5c 35c

1162 Margaret Atlee ★

A particularly fine variety of the duplex type; flowers of extraordinary size. The color is an exquisite shade of salmon pink perfectly suffused over a cream ground, the shade of pink being quite different from any yet seen. 10c 45c

Margaret Atlee



1160 Vermillion Brilliant ★ Price pkt. oz.

This variety is one of the very best scarlet Spencers yet introduced. Flowers of good size, nicely waved. Color almost true scarlet with a slight tinge of orange 10c 35c

1163 Orchid ★

One of the finest of the new sorts; the color is a rich deep lavender throughout, standards and wings slightly suffused pink, the true Cattleya color. Plants very vigorous, flowers of exceptional size and a profuse bloomer 10c 40c

1150 Blanche Ferry

This is the very popular old "painted lady" pink and white Sweet Pea in magnificent new form 5c 30c

1169 New Rosabelle ★

Undoubtedly most beautiful and largest of the deep rose colored selfs. Flowers very crimped or waved, and of extra large size, its color strikingly brightened by a distinct white blaze at the bottom of standard and wings 10c 30c

1157 Giant Orchid Flowering Mixture

THE highest type of large Orchid Flowering Sweet Peas possible to secure included in this mixture. Almost no limit to the range of color. Contains fully 100 of the best known large flowering varieties and covers most every known shade and color, long stemmed, making an ideal mixture for cut bloom. Price large pkt. 5c, 2 pkts. Sc. oz. 20c, postpaid.

New Rosabelle

Sweet Peas make ideal screens and backgrounds anywhere about the home grounds. Plant lots of them. Cut them often to make them bloom profusely.

Include Some of These in Your Order

DON'T overlook our new varieties such as Nubian, Illuminator, Rosabelle, or the splendid offer we make in collections of Spencers at attractive prices. You can order Sweet Peas by number alone. Remember the Star Quality Sweet Peas have been tried and tested.

Spencer Varieties

Mrs. Hardcastle Sykes

Price
Postpaid
pkt. oz.

1152 Very beautiful pale pink. Should be included in every order. For a delicate blossom plant this sort 10c 40c

Asta Ohn

This variety produces large flowers with fluted standard and very large waved wings, color a soft lavender suffused with mauve..... 10c 30c

Mrs. Hugh Dickson

A wonderful flower, fine bloomer, vigorous growing, beautiful pale salmon pink on cream ground..... 10c 30c

Queen Alexandra

One of the largest and finest brilliant scarlet-self in existence, a bold flower 5c 35c

Helen Lewis

A superb variety, a gigantic orchid-flowering seedling of Countess Spencer. Orange rose wings roll and fold: the standard is reflexed, and is of an intense rich crimson orange 5c 30c

Illuminator

Ground color of salmon orange with rich bright cerise-pink. Flowers of excellent texture and size. A beautiful new creation. Don't overlook it if you want a splendid novelty in your garden. 15c 50c

Nubian ★

A new maroon chocolate colored self of great beauty, large size flower, waved. If you want a wonderful new variety try Nubian. 10c 40c

Spencer Collections

1155A	Your own selection of any seven 5 cent packets.....	25c
1155B	Complete collection of all Spencer varieties, twelve 5 cent packets	40c
1155C	Your own selection of any three 10 cent packets.....	25c
1155D	Complete collection of nine 10 cent packets	70c
1155D	We will mail the entire list of Spencer Sweet Peas on these pages, including all Star quality (23 pkts.)	\$1.00

America ★

**Mrs.
Hardcastle
Sykes**

White, nearly covered with splashes, stripes and dots of exceedingly bright carmine. Open form, of good size and holds its color well. The most brilliant red striped sort. Price, ptk., 10c; oz., 40 cents.

Illuminator



Nubian

America

**No Garden Complete
Without These**

Poppy Giant Peony Flowered

1289

Double Mixed.

POSITIVELY the grandest and most gorgeous mixture of giant flowering Poppies ever offered; ranging in color from pure snow white to deep purple; the easiest of easy flowers to grow. Seed may be scattered on the soil and raked in; the seed germinates rapidly. In two or three weeks, nice sturdy plants will develop. It is well to make several sowings at intervals, to keep up a succession of bloom. If they come up too thickly, the plants should be thinned to stand 3 to 4 inches apart; this will insure best results. For beds or borders, this huge showy Poppy is hard to surpass. Price, pkt., 10c; oz., 50c.

Portulaca Rose Moss

1174

(Single and Double Mixed.)

SHOULD be sown in every garden. Scarcely any annual in cultivation makes such a dazzling display of beauty as a bed of highly-colored, many-hued Portulacas. In bloom from July until frost. Plant in dry sandy soil in the garden as soon as it becomes warm. Let the bed have full exposure to the sun, and withhold water after the plants appear. Stands any amount of dry weather. Blooms of double varieties are about 1½ inches across, of many colors and remain open all day. The plants grow about 6 inches high. Pkt., 10c; oz., 50c.

Galloway's Giant Double Zinnias
1295

ASPECIAL strain of this grand old favorite free and continuous flowering annual, which produces flowers of colossal size, specimens measuring 5 to 6 inches across being not unusual. Plants are of extremely robust habit, attaining a height of about 3 feet, and bearing on long, strong stems numerous semi-globular, mostly very double flowers all of the largest size, making them of great value in large beds, borders, etc.; grown under favorable conditions they remain in bloom from early Summer to late Autumn. Price, per pkt., 8c; 2 pkts., 12c.

The Cardinal Climber

THE most beautiful and brilliant annual climber ever sent out. It is a strong and rapid grower, attaining a height of 30 feet or more, with beautiful fern-like, laciniated foliage and literally covered with a blaze of circular fiery cardinal-red flowers from mid-summer till frost. The flowers are about 1½ inches in diameter, and are borne in clusters of 5 to 7 blooms each. Like other Ipomoeas, it delights in a warm, sunny situation and good soil. The seed may be started indoors in March or



April, but it is best to wait until the weather gets warm and settled, and then sow out of doors. In either case it is well to file or cut through the hard outer shell of the seed or steep in warm water until they begin to swell, which greatly assists in a free and quick germination. If sown in cold, wet ground the seed is liable to rot. Price, pkt., 15c; 2 pkts. for 25c.

A Page of Old Time Favorites

Bachelor's Buttons

1014

Mixed

THIS beautiful flower is loved by all who appreciate an old-fashioned garden. Such a garden would be incomplete without it. The beautiful artistic flowers are borne on long stems, and when cut will stand for a long time in perfect condition. A bed of these, with Marigolds (African and French), Poppies and Zinnias, makes a grand display. Our mixture contains a fine range of color: pure white, lilac, rose-pink, lavender and purple. One packet of our seed is sufficient for a fair-sized bed. Price, large pkt., 5c; 1 oz., 30c.



BACHELORS BUTTON

Asters

Giant Crego

THE twisted and curled petals give this flower the appearance of a huge flat Chrysanthemum. The flowers are very large, often measuring 5 inches across. The strong erect stems average 20 to 24 inches in length. Though the flowers are large, they are produced in abundance.

1250	White. Pkt.	10c
1251	Shell Pink. Pkt.	10c
1252	Rose Pink. Pkt.	10c
1253	Lavender. Pkt.	10c
1254	Purple. Pkt.	10c
1255	Mixed. Pkt.	10c
1256	Collection of 1 pkt. each of the above.	50c



ASTERS

Hollyhock

1279

Mammoth Double Mixed

AMAGNIFICENT strain of Hollyhocks. The flowers are of the largest size, perfectly double; and grow close together on the stem, forming a mass of the most beautiful flowers, equal to Camellias. These are undoubtedly the finest double Hollyhocks grown. Price, pkt., 10c; 2 pkts., 15c.



Rainbow Hybrid Sunflower

1231

IT caused quite a sensation when the first Red Hybrid Sunflowers were introduced, but they were but the first step toward an entirely new race of this beautiful flower. Our wonderful Rainbow Hybrids are the results of bringing together the blood of three distinct types of Hybrids and amalgamating the good points of all. The combinations of colors run from yellow through many shades of yellow and brilliant reds and bronze, and some solid reds. These grow 5 to 8 feet high, branch profusely and each plant bears several dozen beautiful flowers 5 to 8 inches in diameter on long stems. The Rainbow Hybrid will be a valuable addition to the garden. Pkt., 10c; 2 pkts., 15c; oz., \$1.50.

Hardy Roses for all Locations

No flower is more popular than the rose. The ideal location for a rose garden is an airy, but sheltered spot, sheltered especially from the chilling winds of winter, but exposed all day, if possible, to the sun. When roses are received, if they seem to be at all dry soak them in water, being careful at all times not to allow the roots to be exposed to the air. Roses root deeply, so the bed should be well prepared. The roses we offer are the best standard varieties, well suited to the home garden. Field grown roses are those that have been propagated in the field and grown from two to three years in the open, and are considered more reliable for outdoor planting.

We offer but few varieties—the best of their class; all are hardy. However, all roses should be fairly well protected during the winter months, especially in the northern states.

Hybrid Perpetual Roses

FRAU KARL DRUSCHKI. The regal "White American Beauty." The distinctive form and expression of its bud, half opened state and maturity are a three-fold revelation of exquisite charm and beauty. In our Rose gardens, they commence blooming with the first of the June Roses, are conspicuous throughout the summer with their profusely furnished, large flowers of waxy paper-white, and yield their last armfuls only with the first snows of an early fall. **Price, each 65c; 4 for \$2.25 (2-year plants).**

ULRICH BRUNNER. Cherry-red of immense size, fine form and most effective; it seems proof against mildew or rust, and is one of the earliest to flower; lasts well through the season; very vigorous. **Price, each 65c; 4 for \$2.25 (2-year plants).**

MRS. J. H. LAING. A favorite sort, with satiny flowers of soft, clear pink, remarkably free and continuous. This variety has always been one of the "six best sellers," and is generally accepted as the best of the light pinks. **Price, each 65c; 4 for \$2.25 (2-year plants).**

GENERAL JACQUEMINOT. Brilliant scarlet-crimson, very large and full; an old rose that still holds its place. **Price, each 65c; 4 for \$2.25 (2-year plants).**

Hybrid Tea Roses

KILLARNEY. In shape nothing can approach this beautiful rose, its long perfectly shaped bud, which on the outside is of a delicate pink, unfolds a flower with a deeper pink on the inside. **Price, each 60c; 4 for \$2.00 (2-year plants).**

OPHELIA. Color, clear bright salmon often deepening toward golden pink; wonderfully fragrant, with long pointed buds and stiff stems. Large, handsome foliage showing that it is a wonderfully free bloomer and grower and not prone to mildew. Growth free and continuous under all conditions. **Price, each 60c; 4 for \$2.00 (2-year plants).**

WHITE KILLARNEY. A duplicate of the lovely pink Killarney, except that this variety is white as snow, and displays larger flowers of greater petalage. **Price, each 60c; 4 for \$2.00 (2-year plants).**

MRS. CHARLES RUSSELL. A strong growing rose. The foliage is heavy and leathery, inclined to slightly curl on the older wood; is almost mildew proof. The bud is fully as large as American Beauty, but longer and pointed, and opens into a flower of unusual beauty. The color is a bright rose pink, deeper in the center. **Price, each 60c; 4 for \$2.00 (2-year plants).**

Climbing Roses

CRIMSON RAMBLER. This grand old climber hardly needs description. The magnificent trusses of bright crimson flowers are freely produced and admired by everyone. It is still one of the easiest of roses to succeed with. Unsurpassed for walls, hedges, pillars, arches, pergolas; very hardy and a strong grower. **Price, each 45c; 4 for \$1.50 (2-year plants).**

THOUSAND BEAUTIES. A strong, vigorous grower. Foliage large and handsome. Blossoms shade from pure white to deep pink, different shades being borne at the same time. From this habit it derives its name. **Price, each 45c; 4 for \$1.50 (2-year plants).**

DOROTHY PERKINS. A Climbing Rose, which in strong, vigorous growth and general habit very closely approaches the popular Crimson Rambler; its flowers, which, are borne in clusters, are of a beautiful shell pink, full, double, and of large size for a Cluster Rose, and deliciously scented. **Price, each 45c; 4 for \$1.50 (2-year plants).**

WHITE DOROTHY PERKINS. The best white Rambler Rose yet introduced, being an exact counterpart of Pink Dorothy Perkins, excepting color; a desirable rose. A variety that is practically immune from attacks of mildew. **Price, each 45c; 4 for \$1.50 (2-year plants).**

Everblooming Ramblers

5015 EVERBLOOMING PINK BABY RAMBLER. Similar to the Crimson Baby Rambler, except that the blossoms are a delicate pink. **Price, each 65c; 3 for \$1.75 (2-year plants).**



DELICIOUS
THE KING OF ALL APPLES

Apples

APPLES are the national fruit. Plant an apple orchard! Do it now! The supply of Apples today is much lower than the demand. We have found that the Long Scion and Root system is the best method of producing apple trees on THEIR OWN ROOTS. Our apples are grown in this way. Don't forget this factor when you buy your trees. They will not go through a severe winter unless they are on their own roots. We list only such standard varieties as will give satisfaction in all apple sections, those which have been widely tested and are known to be good. Do you want some sort that is especially popular in your locality, more so than those listed? It is not in our collection because it is not so good for other sections. But we have it in our nurseries. Include it in your order.

5080 YELLOW TRANSPARENT. Summer. Of medium size, smooth surface, light yellow; flesh white, juicy and of excellent quality. Good keeper and shipper; abundant bearer, and sells well on all markets.

5082 DUCHESS OF OLDENBURG, OR DUCHESS. Fall. A well-known Russian variety. Absolutely hardy. Yields abundantly in all sections. Tree bears young. Fruit large, rounded, yellow, striped with red. Flesh tender and juicy. Of excellent quality for cooking.

5083—MAIDEN BLUSH. Fall. Rather smooth, of uniformly good size; pale yellow, beautifully flushed with red on one side. Pleasant acid flavor. Heavy bearer.

5084 WEALTHY. Fall. Originated in Minnesota, and is noted for its hardiness of tree and fruit bud. Fruit is large and smooth, yellow ground shaded with crimson; flesh white, juicy, tender, subacid.

5086 BEN DAVIS. Winter. Of Kentucky origin. A well known and profitable commercial sort. Tree is healthy and a heavy bearer. Fruit large, striped with bright red. Flesh whitish, tender, juicy, subacid. Good keeper.

5087 DELICIOUS. Winter. Originated in Madison County, Iowa. Has become a general favorite in all apple sections. Fruit large, nearly covered with bright red and crimson. Flesh tender, firm; rich, highly

flavored juice. Fine keeper and shipper. Tree perfectly hardy, regular annual bearer.

5088 GRIMES GOLDEN. Winter. A medium to large yellow apple of highest quality. Crisp, tender and juicy with pear-like flavor. Good grower and early bearer. A moneymaker on all markets.

5089 JONATHAN. Winter. One of the most popular apples in the West. Of medium size, pale yellow, nearly covered with dark red. Flesh tender and finely flavored, being mild subacid. Generally adaptable.

5090 NORTHWESTERN GREENING. Winter. Tree healthy, sturdy grower, hardy. Fruit large, smooth, greenish-yellow; flesh yellow, subacid. Heavy bearer.

5091 STAYMAN WINESAP. Winter. The best and largest of the Winesap family. Dark, rich red, striped with crimson. Flesh tinted with yellow, firm, crisp, juicy, subacid. Tree productive and vigorous grower. Hardy everywhere.

5092 WINTER BANANA. Winter. Large smooth, golden yellow, shaded with bright red; subacid flavor; grown everywhere. Tree vigorous, early bearer. Valuable market variety.

Price of Above Apple Trees, 4 to 5 feet, each 45¢; 25 for \$10.00.

Galloway's Special Apple Collection

✓ Early Harvest, (Summer)
✓ Wealthy, (Fall)
✓ Ensee, (Winter)
✓ King, (Winter)
✓ Malinda, (Winter)
✓ N. W. Greening, (Winter)

Patten's Greening, (Winter)
✓ Ben Davis, (Winter)
✓ Rome Beauty, (Winter)
✓ Stayman's Winesap, (Winter)
✓ Yellow Transparent, (Summer)
✓ York Imperial, (Winter)

12 in Collection
4-5 ft.,
\$4.98



Raspberry, Blackberry and Dewberry Plants

The many great improvements in the hardy varieties of raspberries make the cultivation of this fruit comparatively easy. After the plants have become well started, they require very little attention. The lighter loams are preferable for the red raspberries, and the heavier loams for the blacks. Raspberries are one of the most popular fruits grown. Fine for canning and make the most wholesome of sauces. Always in demand in season, and command good prices on the market.

Raspberries

CUMBERLAND. Black. The largest of all black caps. Berry is firm, therefore a fine shipper. Profitable for market. A healthy, vigorous grower; perfectly hardy. Price, 25 for \$1.00; 100 for \$2.50.

KANSAS. Strong, vigorous grower, standing extremes of drought and cold, and bearing immense crops. Early, ripening just after Palmer. Berries size of Gregg, of better color; jet black and almost free from bloom; firm of best quality; presents a handsome appearance and brings highest price in market. Price, 25 for \$1.00; 100 for \$2.50.

GALLOWAY'S BLACK SPECIAL. A healthy, vigorous grower, throwing up stout, stocky well branched canes that produce immense crops of magnificent berries. Fruit very large, firm, keeps and ships as well as any of the blacks. The most profitable market variety. Price, 25 for \$1.25; 100 for \$3.50.

ST. REGIS. Everbearing. A remarkable red berry which will yield fruit the first season. Though not large, the berries are of excellent quality and firm. Fruit ripens early. Plants very hardy. Those who offer are large and strong. Price, 25 for \$1.00; 100 for \$2.50.

GOLDEN QUEEN. A beautiful, large golden yellow berry, seedling of the Cuthbert and surpassing that variety in size, beauty, quality and adaptability. Canes hardy, of strongest growth, productive. Should be in every home garden, its beauty and high quality placing it at the head for table use. Price, 25 for \$1.00; 100 for \$2.50.

CUTHBERT, OR QUEEN OF THE MARKET. A remarkably strong, hardy variety; stands the northern winter and southern summers equal to any. Berries very large, measuring three inches around, conical, rich crimson, very handsome, and so firm they can be shipped hundreds of miles by rail.

In good condition; flavor is sweet, rich and luscious. The leading market variety for main crop. Price, 25 for \$1.25; 100 for \$3.50.

Dewberries

LUCRETIA. Sometimes called trailing blackberry. Perfectly hardy and highly productive. Fruit is of highest quality and is very large, sometimes two inches long and an inch in diameter. The variety we offer is considered the best under cultivation. A coarse litter of mulch should be thrown over the plants during the winter, and in the spring they will come up through this, keeping the fruit from the ground. Price, 25 for \$1.00; 100 for \$2.50.

Blackberries

MERSEREAU. Remarkably strong grower, upright, producing stout, stocky canes. An enormous producer of extra size berries which are brilliant black and retain their color under all conditions; extra quality; sweet, rich, melting, without core. Unsurpassed as a shipper and keeper. Ripens with Snyder. Price, 25 for \$1.00; 100 for \$2.50.

BLOWER. Most productive and highest quality of all blackberries. Fruit is of large size, slightly acid flavor and jet black in color. Ripens early. Fine shipper. A promising new variety. Price, 25 for \$1.00; 100 for \$2.50.

EARLY HARVEST. Medium; glossy black, of excellent quality; ripens very early and ships well; compact, dwarf grower. Price, 25 for \$1.00; 100 for \$2.50.

SNYDER. The hardiest blackberry grown; heavy producer; succeeds wherever planted. Berry of medium size; delicious flavor. Ripens early. Fine for market. Price, 25 for \$1.00; 100 for \$2.50.

Sunbeam Red Raspberries



Strawberries

Please Order
by Name

STRAWBERRIES can be grown with success in any well-drained garden soil.

There is always a good market for strawberries; they rank first among small fruits as they are so well adapted for culinary purposes—table use, canning or preserving.

WARFIELD. A grand berry for main season. The dark red color, clear through, makes it very desirable for home use.



Senator Dunlap

Name of Plant.

By Mail. Purchaser Pays Express.

	12	50	100	100	500	1,000
Warfield	\$0.35	\$0.65	\$1.10	\$0.90	\$3.25	\$7.00
Senator Dunlap	.35	.65	1.10	.90	3.25	7.00
Gibson	.30	.60	1.00	.85	3.00	6.50
Progressive (Everbearing)	.80	2.00	3.50	3.00	8.00	15.00
Superb (Everbearing)	.55	1.25	2.50	2.00	6.50	14.00

A basket of Gibson Strawberries. Every garden should have its own patch. Easy to grow and luscious for the table.

Of all small fruits nothing gives more satisfaction than strawberries. Start a good patch this spring.



Superb Strawberries

SENATOR DUNLAP. Known as Dunlap, also Senator. One of the best-known strawberries. Strong, healthy growers, and easily handled by either expert or beginner. The berries are medium to large in size, of a deep, rich, red color and have excellent qualities. If part of the plants are thinned out, the yield in quality of berries will be greatly improved. It is staminate, and will produce perfect fruit when planted alone. Very early.

SUPERB, Everbearing. Another perfect-blooming variety. Very large, deep red and glossy; fine flavor. Begins to bear about June, and continues until late in the fall. Produces an immense crop. The plants are strong and healthy, and stand the winter very well. A sort which is sure to please.

GIBSON. A variety which has proven highly satisfactory, therefore in great demand. Fine for home or market. Heavy producer, excellent shipper as flesh is firm. Fruit is extra large, dark, glossy-red. A long-rooted variety, making it drought resistant. Foliage dark green and dense, affording protection to the berries from the hot sun. Long bearing season. Staminate.

PROGRESSIVE, Everbearing. The very best everbearing variety on the market. Strong, healthy and absolutely hardy. Berries are of highest quality, bright red, and a fine keeper on the vine or in the box. Fruit is medium sized, blossom strongly staminate, and every bloom makes a perfect berry. Gives good crops for over three months in the fall when weather conditions are favorable.



Gibson Strawberries

PLUMS—CHERRIES—NUTS

Plums

BRADSHAW. A large oval; dark violet red; sweet and good.

GREEN GAGE. Small; skin greenish-yellow, marked with red; flesh yellow; rich and sweet. Price, 4 to 5 ft., each 50c; 6 for \$2.25; 5 to 7 ft., each 60c; 6 for \$3.25; Buyer's Selection, 6 ft., each 50c; 6 for \$2.25; 5 to 7 ft., each 60c; 6 for \$3.25; Buyer's Selection.

YELLOW EGG. Very large, egg-shaped, productive; excellent for cooking. Price, 4 to 5 ft., each 50c; 6 for \$2.25; 5 to 7 ft., each 60c; 6 for \$3.25; Buyer's Selection.

MOORE'S ARCTIC. Purplish black plum with thin blue bloom. Small to medium; flesh juicy, sweet and fine flavored. Tree healthy, regular, abundant bearer, August. Price, 4 to 5 ft., each 50c; 6 for \$2.25; 5 to 7 ft., each 60c; 6 for \$3.25; Buyer's Selection.

SHIPPER'S PRIDE. Quite large and showy, frequently 2 inches in diameter; dark purple of the Damson type. Flesh sweet and firm. Good shipper. September. Price, 4 to 5 ft., each 50c; 6 for \$2.25; 5 to 7 ft., each 60c; 6 for \$3.25; Buyer's Selection.

FRENCH PRUNE. An old favorite. Large, purple, with thick blue bloom; flesh firm, sweet, delicious; freestone. Tree vigorous and productive. September. Price, 4 to 5 ft., each 50c; 6 for \$2.25; 5 to 7 ft., each 60c; 6 for \$3.25; Buyer's Selection.

each 50c; 6 for \$2.25; 5 to 7 ft., each 60c; 6 for \$3.25; Buyer's Selection.

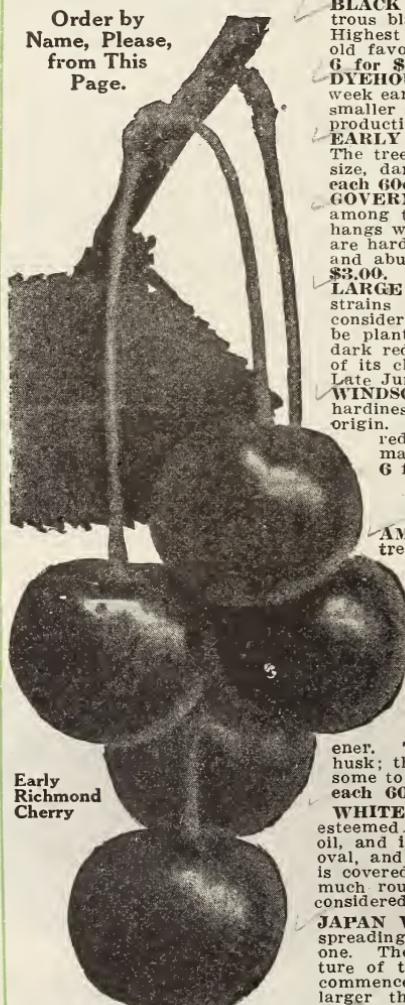
Cherries

Plant cherries both for home and market use. The cherry is the most profitable small fruit grown. Ideal either as "fillers" in apple orchards, or planted separately.

Cherry trees are infected by fewer diseases than any other fruit tree. Require little or no pruning. Will grow on any well drained soil.

The so-called "sour" cherries are hardy, vigorous growers, always dependable. "Sweet" cherries are not quite so hardy, but do well in many parts of the East, South and West. Our cherry stock is as fine as can be grown. All are budded on imported Mahaleb seedlings, which make the best and longest lived trees.

Order by
Name, Please,
from This
Page.



Early
Richmond
Cherry

BLACK TARTARIAN (Sweet). Large, heart shaped, lustrous black when ripe. Juicy, meaty, richly colored flesh. Highest quality. Tree erect grower, heavy bearer. An old favorite. Late June and July. 3 to 4 ft., each 50c; 6 for \$2.25.

DYEHOUSE. One of our best early cherries. Ripe a full week earlier than Early Richmond; slightly smaller, sweeter, smaller seed, light red color. Tree upright grower, productive. June. 3 to 4 ft., each 50c; 6 for \$2.25.

EARLY RICHMOND or MAY. Unsurpassed for cooking. The tree a free grower and prolific bearer. Fruit medium size, dark red, juicy and acid flavor. June. 4 to 6 ft., each 60c; 6 for \$3.00.

GOVERNOR WOOD (Sweet). The standard of quality among the sweet cherries. The large light red, rich fruit hangs well on the tree and does not rot easily. Fruit buds are hardy and the tree is a stout, healthy, vigorous grower, and abundant bearer. June. 4 to 6 ft., each 60c; 6 for \$3.00.

LARGE MONTMORENCY. There are several distinct strains of Montmorency; all of them are good, but we consider our Large Montmorency the best, and it should be planted largely in every orchard. The fruit is large, dark red, handsome and one of the finest flavored cherries of its class. Tree strong grower, hardy, very productive. Late June. 4 to 6 ft., each 60c; 6 for \$3.00.

WINDSOR (Sweet). We recommend this variety for the hardiness of the tree and fruit buds, as it is of Canadian origin. A large, delicious cherry of remarkable qualities; reddish brown or liver colored. Valuable for late market or home use. July. 4 to 6 ft., each 60c; 6 for \$3.00.

Nut Trees

AMERICAN SWEET CHESTNUT. A valuable native tree, both useful and ornamental. The nuts are sweet, deliciously flavored and are a valuable item of commerce. Price, 3 to 4 ft., each 45c.

PECANS. Pecan growing is becoming a favorite industry in the Southern and Middle States, yielding large profits. The trees are long-lived, quite hardy, and productive. A species of hickory, which may well rank first among our native nuts. The nuts are large, thin-shelled, full kernels, and of rich flavor. Price, 2 to 3 ft., each \$1.50.

BLACK WALNUT. This is one of the largest, grandest and most massive trees of our native forests. It is a favorite of the landscape gardener. The nuts are large, round, covered with a thick husk; the kernel possesses a very fine flavor, considered by some to be better than any other walnut. Price, 4 to 5 ft., each 60c.

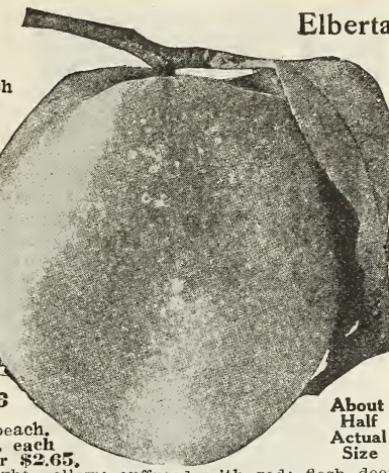
WHITE WALNUT or BUTTERNUT. This tree is chiefly esteemed for its abundant crops of fruit, which abounds in oil, and is sweet and rich. The form of the nut is oblong, oval, and narrowed to a point at the extremity. The husk is covered with a sticky gum, and the surface of the nut is much rougher than any other of the walnuts. The tree is considered valuable as a park tree. Price, 5 to 6 ft., 75c each.

JAPAN WALNUT. The tree is very handsome; its large spreading top makes an ornamental tree as well as a useful one. These trees are very hardy, having stood a temperature of twenty-one degrees below zero without injury, and commence to bear at three years of age. The nuts are larger than the common hickory nut, and are borne in clusters of from ten to twenty. The shells are moderately thick, but the kernels are very sweet. Should be extensively planted. Price, 6 to 8 ft., each \$1.00.

THE COMMON HAZELNUT. Will grow in almost any location, but prefers a rather moist soil such as can be found along streams. Nuts are tender and of fine flavor. Price, 2 to 5 ft., each 50c.

Peaches

Elberta



About
Half
Actual
Size

ELBERTA. Large; yellow, with red cheek, flesh yellow, firm, juicy. Exceedingly prolific, sure bearer and hardy. The leading market variety. Follows Early Crawford. Price, 3 to 4 ft., each 30c; 6 for \$1.60; 4 to 6 ft., each 50c; 6 for \$2.65.

BELLE. (Belle of Georgia.) Very large; skin white with red cheek; flesh white, firm and of excellent flavor. Tree a rapid grower, very prolific; fine shipper. Ripens with Crawford's Early. Price, 3 to 4 ft., each 30c; 6 for \$1.60; 4 to 6 ft., each 50c; 6 for \$2.65.

CHAMPION. A large, handsome early variety, creamy white with red cheek; sweet, rich and juicy. Hardy and productive. Aug. Price, 3 to 4 ft., each 30c; 6 for \$1.60; 4 to 6 ft., each 50c; 6 for \$2.65.

CRAWFORD'S EARLY. A magnificent large yellow peach of good quality. Early. Price, 3 to 4 ft., each 30c; 6 for \$1.60; 4 to 6 ft., each 50c; 6 for \$2.65.

CRAWFORD'S LATE. A superb, large yellow peach. One of the best. Last Sept. Price, 3 to 4 ft., each 30c; 6 for \$1.60; 4 to 6 ft., each 50c; 6 for \$2.65.

FITZGERALD. Fruit large; brilliant color, bright yellow; suffused with red; flesh deep yellow, best quality. Early Sept. Price, 3 to 4 ft., each 30c; 6 for \$1.60; 4 to 6 ft., each 50c; 6 for \$2.65.

KALAMAZOO. A leading market sort. Large, yellow, fine quality. Extra productive and profitable. First Sept. Price, 3 to 4 ft., each 30c; 6 for \$1.60; 4 to 6 ft., each 50c; 6 for \$2.65.

Pears—The Quality Fruit

OUR pear trees are of the finest quality for transplanting, for they are well-developed, stocky trees. In the course of five years they will be bearing a fine crop of fruit. We have both standard and dwarf varieties. For the permanent orchard we recommend the standard varieties, the dwarf being better for a small lot. A strong loam of moderate depth, or a dry subsoil, is best adapted to the pears, but they will adapt themselves to as great a variety of soil as any other fruit. The soil should not be too rich, as a too rapid growth is more likely to produce blight. The dwarf trees should be pruned every year. Thin the fruit whenever the trees are heavily burdened, particularly youngtrees.

ANJOU. A large, fine pear; buttery and melting, with sprightly, vinous flavor. Tree a fine grower and good bearer. One of the very best. Oct. to Dec. Price, 4 to 5 ft., each 30c; 6 for \$2.25; 5 to 7 ft., each 60c; 6 for \$3.00.

Please Order by

Name

ORDER

EARLY

BARTLETT. One of the most popular sorts, both for home and market. It is large, handsome, waxen yellow, with red blush, flesh buttery, rich, and juicy, highly flavored. One of the best varieties for canning. August and September. Price, 4 to 5 ft., each 50c; 6 for \$2.25; 5 to 7 ft., each 60c; 6 for \$3.00.

CLAPP'S FAVORITE. Fruit handsome, large, long, yellow, spotted dull red, where exposed to the sun; flesh fine grained, juicy, rich, sweet flavored. It resembles the Bartlett. The tree is a vigorous grower, hardy and productive. August. Price, 4 to 5 ft., each 50c; 6 for \$2.25; 5 to 7 ft., each 60c; 6 for \$3.00.

DUCHESS D'ANGOULEME. This is the largest among our really good pears. The skin is a dull greenish yellow; flesh white, melting, juicy and well flavored. The tree is a vigorous grower and a reliable bearer. A profitable market variety and fair for home use. October and November. Price, 4 to 5 ft., each 50c; 6 for \$2.25; 5 to 7 ft., each 60c; 6 for \$3.00.

FLEMISH BEAUTY. One of the best varieties of pears for the Southwest, on account of its hardiness. The tree is a strong grower, an annual and abundant bearer, and is usually successful over a large range of country. The fruit is large; the skin is pale yellow; the flavor is sweet and melting. September and October. Price, 4 to 5 ft., each 50c; 6 for \$2.25; 5 to 7 ft., each 60c; 6 for \$3.00.

KIEFER. On account of the excellent keeping qualities it is one of the best and most profitable market varieties. Fine for canning or preserving. For a commercial orchard it is undoubtedly one of the best. The trees are not troubled with scale and seldom fail to bear a good crop. Trees bear young. October and November. Price, 4 to 5 ft., each 50c; 6 for \$2.25; 5 to 7 ft., each 60c; 6 for \$3.00.

to bear a good crop. Trees bear young. October and November. Price, 4 to 5 ft., each 50c; 6 for \$2.25; 5 to 7 ft., each 60c; 6 for \$3.00.

Grapes

GRAPES? Of course. Out of a basket from the store, or fresh from the vine in your own yard? You cannot realize the true value of the grape unless you grow it yourself. A grape arbor adds an attractive ornamental feature to any home ground. Then, in the fall you have that luscious fruit. Set out several vines this year. They require very little room and are easily cared for. Just think of grape jelly, grape juice, and the many other grape preparations— from your own vineyard. We list only two-year-old, first quality vines.

AGAWAM. Large, compact, dark red or maroon colored berries. Ripens early and is very attractive. Price, each 25c; 10 for \$2.00.

BRIGHTON. A very desirable, early red grape. Berries are medium to large sized bunches, good flavor and quality. Price, each 25c; 10 for \$2.00.

CONCORD. Very early, most popular grape in America. Standard home and market sort. Large size, sweet and juicy; hardy, healthy and productive. Good shipper. Price, each 25c; 10 for \$2.00.

MOORE'S EARLY. A very popular, early grape. Hardy, and a good grower. Price, each 25c; 10 for \$2.00.

NIAGARA. When fully ripe, the berries are a greenish yellow. Skin tough with quality similar to the Concord. This is the leading white grape for home and market use. Price, each 25c; 10 for \$2.00.

SALEM. A strong, vigorous vine; berries large, dark copper color, sweet, with a thin skin. Early September. Price, each 25c; 10 for \$2.00.

VERGENNES. The large, white amber berries are rich and delicious, and hold firmly to the stem. An excellent keeper. Price, each 25c; 10 for \$2.00.

WOODRUFF RED. A very profitable grape grown with the Delaware. Good shipper and keeper. Very vigorous and good producer. Price, each 25c; 10 for \$2.00.

WORDEN. A seedling of the Concord. Large bunches, which ripen ten days earlier than the Concord. Deserves a good place on the market. Price, each 25c; 10 for \$2.00.

WYOMING. Vine very hardy, healthy, and robust. Berries a beautiful light red, and in size are nearly double the size of the Delaware. Flesh tender, sweet, juicy. Best early red market grape. Price, each 25c; 10 for \$2.00.



Delaware

Currants

EXPERIENCE teaches that a cool, moist soil is best adapted to the growth of currants. Strong, moist loams, with a considerable mixture of clay, are good. Even, well-drained, stiff clay will give good results.

The pruning is simple, but very important. The younger the wood, the finer the fruit. It is absolutely necessary, however, that a fair supply of the old wood be left in order to insure productiveness. No wood over three years old should be allowed to remain. Plants should be set in rows six feet wide and about three feet apart in the row. Twenty-five hundred can be planted to the acre.

One of the delicacies that was always taken to a sick friend was a jar of currant jelly. Grandmother, each season, watched her currant bushes and carefully gathered the fruit which she turned into a jelly, the taste of which lingers with us to-day.

FAY'S PROLIFIC. The leading market currant. One of the best known varieties and universally used by the large fruit-growers. Long stems, fine flavor, and very productive. Fruit easy to pick, good shipper; plants are very hardy. Price, Each, 15c, 10 for \$1.40.

LONDON MARKET. Bush vigorous and upright. One of the best for northern climates and at the same time a leader in the southern states. Beautiful dark red berries medium sized with large branches. A favorite for home market and will stand long shipments. Price, Each, 15c, 10 for \$1.40.

RED CROSS. A strong-growing, very productive variety. The medium-sized, bright red berries are borne in long clusters and are of fine quality. Price, Each, 15c, 10 for \$1.40.

WILDER. Upright and vigorous grower, bright red berry of excellent quality; ripens and remains bright and firm very late. Largely planted by the best fruit growers. It is our first choice of all the kinds. Price, Each, 15c, 10 for \$1.40.



Gooseberries



ONE of the hardiest of the bush fruits. The best results are obtained by planting gooseberries in moist, but not soggy, clay loam; but they will do reasonably well in any well-drained soil if they are well fertilized once each year. The gooseberries bear most freely on two- and three-year-old wood. Therefore, the aim should be to keep a continuous supply of vigorous shoots. Prune freely to encourage upright growth. We offer all first-class plants.

DOWNING. One of the most favored of all gooseberries for family use and a very good market berry. Medium-sized fruit; flesh soft and juicy. This variety is planted more extensively than any other kind by the fruit growers. Price, Each, 20c, 10 for \$1.60.

HOUGHTON. Very productive, good and vigorous grower, an old and reliable variety, very hardy. Price, Each, 20c, 10 for \$1.60.

Champion Gooseberry

Hardy Climbing Vines

THE need of vines for home improvement is well known and there is absolutely nothing that adds more to the beauty of the home than appropriate vines. A porch without a vine is desolate and incomplete. Vines are exceptionally valuable for turning unsightly fences and buildings into things of beauty. Foliage vines are especially adapted for stone or brick buildings, as they look more "at home" than the flowering vines. They are also valuable for working in with flowering vines of poor foliage, because they will form a good background. There is no class of plants that can be used in so many ways.

Ampelopsis

QUINQUEFOLIA (Virginia Creeper). This is the commonest of the climbers, and at the same time the most useful and most vigorous grower, doing well in almost any kind of soil. The leaves turn to bright scarlet and purple in the fall. The dark blue berries remain quite late. Price, 30c each.

AMPELOPSIS QUINQUEFOLIA VAR. ENGLEMANII. This is similar to the Virginia Creeper, but has smaller leaves, which are much more dense. It climbs by means of tendrils with well-developed disks, which enable it to cling quite firmly to stone or other walls. Price, 30c each.

AMPELOPSIS VEITCHII (Boston Ivy). This vine stands higher in the estimation of the people than any other. After once established it grows rapidly and will stay indefinitely, needing only an occasional trimming to keep it within bounds. It is not attacked by disease or insects and the foliage is not injured by the smoke and dirt of cities. The glossy green leaves turn to a brilliant orange-scarlet in the fall. Price, 50c each.

Celastrus

SCANDENS (False Bitter Sweet). Hardy ornamental vine. Very effective by their bright-colored fruit remaining usually throughout the winter. They are valuable for covering trellis-work, trees or rocks and walls. They grow in almost any soil and situation. Fruit about one-half inch in diameter, orange-yellow with crimson seed. Price, 25c each.

CLEMATIS PANICULATA. This Clematis is by far the most common of all the species in American gardens. It is extremely showy when covered with the small, white, fragrant flowers which appear late in the season. Price, 45c each.

CLEMATIS JACKMANII. One of the best-known of all the clematises. The velvety-purple flowers, when expanded are four to six inches across, very velvety and distinctly veined. Price, 60c each.

ARISTOLOCHIA SIPHO (Dutchman's Pipe Vine). Singular brownish-colored flowers, resembling in shape and very large. Excellent for pergolas and verandas. Price, 55c each.

Lycium (Matrimony Vine)

CHINENSIS. A hardy, ornamental deciduous, fast-growing vine. Especially attractive in the fall, when the long, slender

branches are loaded with bright red fruits, which contrast well with the foliage. The leaves remain fresh and unchanged in color until they droop after severe frost. Well adapted for covering walls, fences, etc., but are probably most beautiful when the branches are pendant from rocks or the tops of walls. Price, 35c each.

Pueraria

HIRSUTA (Kudzu Vine). A hardy vine with large, tuberous, starchy roots, making a most remarkable, vigorous growth of slender, hairy stems. The leaves are variously lobed, but the margins are entire. From a well-established root, vines will grow forty to sixty feet in a season, producing a profusion of large leaves. In the North the vine dies to the ground during the winter. Price, 20c each.

Wistaria

CHINENSIS (Chinese Wistaria). This is one of the best and commonest of hardy climbers. It has pale green pinnate leaves and bears profusely dense, drooping clusters of purplish, pea-shaped flowers. It blooms in May and usually gives a smaller crop of blooms in August or September. They will live in rather dry and sandy soil, but prefer a deep, rich earth. Price, 50c each.

Lonicera (Honeysuckle)

JAPONICA, var. Halliana (Hall's Japan Evergreen Honeysuckle). Honeysuckles are well adapted for covering walls, arbors, etc., are very ornamental, as the leaves remain on during the winter. The flowers are white, turning to yellow, and are very fragrant. Price, 30c each.

CREEPING EUONYMUS. Euonymus Radicans. A glossy dark-leaved vine, or it will form a spreading shrub, where it cannot climb. Valuable for covering walls to which it clings, also for porch boxes. Price, 50c each.

VARIEGATED LEAF EUONYMUS (Creeping Euonymus). Same as the above. The leaves are very distinctly variegated with white, yellow, and pink shades. Very attractive. Price, 50c each.

EUONYMUS VEGETUS. One of the finest Evergreen vines, rich green foliage and pink fruit in cells, which separate and expose the scarlet arii. For covering rocks, banks, rough walls and also valuable for shrubbery border. Price, 75c each.



An attractive arrangement of vines, shrubs and flowers

Hardy Ornamental Shade Trees

ORNAMENTAL shade trees play an important part in the arrangement of all lawns and parks. They are often invaluable as windbreaks, supply shade, and help retain the moisture—conditions that are essential to the growth of many of the choicest shrubs and perennials.

There are trees noteworthy for their profusion of bloom; some for the unusual color of bark or leaves; and some for the strength of their limbs. Some trees will endure smoke much better than others, making them valuable for city planting.

For many years we have given especial attention to ornamental shade trees, and are confident of our ability to please the most critical buyer. We have the largest variety of this class of stock to be found in this part of the State.

Fraxinus (Ash)

AMERICANA (American White Ash). A handsome, hardy, broad-headed, quick growing shade tree, sometimes reaching 120 feet in height. Very valuable in landscape work, for park and street planting. 8 to 10 feet. Each, 90c; 3 for \$2.50.

Platanus (Sycamore)

OXFORDENSIS (American Sycamore, Buttonwood). Similar to the Oriental Sycamore, but claimed to be little more affected by smoke at some places. Also leaves claimed to fall off a little earlier in the fall. 6 to 8 feet. Each, 75c; 3 for \$2.00.

Cerasus (Cherry)

PADUS (European Bird Cherry). A small tree which is covered with large, white flowers borne on somewhat drooping, leafy racemes. The fruit is black with a rough stone. 6 to 8 feet. Each, 80c; 3 for \$2.20.

Acer (Maple)

NEGUNDINO (Box Elder, Ash Leaf Maple). A large, spreading tree of rapid growth; very hardy and a good drought resister. Largely planted for windbreaks and timber. The leaves resemble those of the ash. 6 to 8 feet. Each, 65c; 3 for \$1.80.

PLATANOIDES (Norway Maple). A large, handsome tree with a compact, rounded head of spreading branches, attaining a height of one hundred feet. The broad deep green leaves cast a dense, refreshing shade. One of the best and most beautiful trees for street, park, cemetery, or lawn planting. 8 to 10 feet. Each, \$1.20; 3 for \$3.30; 6 to 8 feet. Each, 80c; 3 for \$2.10.

SACCHARINUM (Soft Maple, Silver Maple). This is one of the best known of all the maples. It is an ornamental tree with wide, slender, spreading branches. Thrives almost anywhere, but grows very rapidly in moist, rich soil. 8 to 10 feet. Each, 70c; 3 for \$2.00; 6 to 8 feet. Each, 50c; 3 for \$1.35.

Betula (Birch)

ALBA (European White Birch). This tree will attain a height of eighty feet and is a valuable species. They are especially valuable for planting in colder climates. 6 to 8 feet. Each, 80c; 3 for \$2.20.

Fagus (Beech)

GRANDIFOLIA (American Beech). A noble, native tree of large size and round spreading habit. Attractive at all times but especially so in winter and early spring when the bark is grayish white. The medium-sized, triangular-shaped nuts are sweet and fine flavored. 4 to 5 feet. Each, 90c; 3 for \$2.50.

Populus (Poplar)

LOMBARDY. A native of Europe. Remarkable for its erect growth and tall spire-like form. 6 to 8 feet. Each, 75c; 3 for \$2.00.

CAROLINA. A vigorous, healthy native tree of rapid growth, pyramidal in form, with large glossy leaves; valuable for park or street planting. Makes a fine spreading head if well cut back the first few seasons; succeeds everywhere. 6 to 8 feet. Each, 60c; 3 for \$1.60.

Prunus (Plum)

PISSELDI (Purple-leaved Plum). A distinct and handsome little tree, covered with a mass of small, white flowers in spring, large, showy, pinkish-purple leaves

that deepen in color to the end of the season. It is perfectly hardy wherever the common plum will stand, and is a unique and beautiful ornament to the lawn at all times of the year. 3 to 4 feet. Each, 50c; 3 for \$1.25.

Ginkgo (Kew Tree)

BILOBA (Maiden Hair Tree). A tall, sparsely branched, usually slender tree, attaining sixty to eighty feet in height. They are especially valuable for solitary planting to secure picturesque effects, and are growing in favor as a street tree because of their upright habit and their freedom from insect injury. The leaves are fan-shaped. 6 to 8 feet. Each, \$1.00; 3 for \$2.50.

Ulmus (Elm)

AMERICANA. Very valuable for park planting, for avenues, and as a shade tree for lawns. One of the most majestic and graceful of our shade trees. Hardy, rapid grower, resists drought well, and is long lived. 8 to 10 feet. Each, 90c; 3 for \$2.50. 6 to 8 feet. Each, 70c; 3 for \$2.00.

Aesculus (Horse Chestnut)

GLABRA (Ohio Buckeye). A large growing ornamental, native shade tree. Valuable for park and street planting. Beautiful leaves with showy, interesting flower. 4 to 5 feet. Each, 70c; 3 for \$2.00.

Acer Palmatum (Japanese Maples)

The Japanese Maples are trees of dwarf habit and are the most delicately beautiful of all the small exotic trees. They may be planted in masses, or as specimen plants, and for this reason are treated separately. There are many happy variations in these maples, some with delicately cut leaves, some highly colored during the first weeks of summer, while still others are highly colored throughout the entire season. 2 to 3 feet. Each, \$2.50; 3 for \$6.50.

PALMATUM. A choice species of the Japanese Maples. They are extremely handsome shrubs of dense though graceful habits and with elegant foliage; beautiful, especially in the spring, for its delicate shades of green and red, and again in the autumn when they assume the most striking tints. 1 1/2 to 2 feet. Each, \$1.50; 3 for \$4.00.

Tilia (Linden)

AMERICANA (American Linden, Basswood). A beautiful, rapid-growing tree with large, broad leaves and fragrant flowers. The bloom furnishes the best of bee pasture. The linden should be extensively used as a lawn tree; is also very valuable for park and street planting. It thrives in moist, rich soil, but does well in any good soil. 6 to 8 feet. Each, 80c; 3 for \$2.20.

Quercus (Oak)

QUERCUS (Oak). Possibly no other species of trees equals the oak in all its characteristics; certainly, none compare with it in enduring majesty. No tree is better suited to large estates or roomy lawns where there is plenty of room for its development. In many places it is gaining favor for avenue and street planting, but its complete adaptability is not yet established.

Coccinea (Scarlet). A noble tree attaining a height of eighty feet, with gradually spreading branches which form a rather open head. It grows and does well in dry situations. Especially beautiful in the fall when the leaves turn to a brilliant scarlet. 6 to 8 feet. Each, \$1.50; 3 for \$4.00.



Deutzia

Ornamental Shrubs



Spiraea Vanhouttei Hedge



Deutzia

A WALK with nature in her undisturbed retreats will soon reveal to her student and lover that she has been most lavish with certain species of shrubs in the various localities. These varieties are frequently good to be used when beautifying the home surroundings, but aside from these, many other varieties are always needed to add variety and many times to aid in making up the succession of bloom.

In many ways nature may be followed. It has been noted among other things that isolated specimens are seldom if ever to be found. Here we learn to plant in masses or groups for best results. Do not delay another season in planting at least some shrubs, for they add materially to the beauty and attractiveness of any home or public place.

Shrubs provide material of a permanent character for the adornment of property at less cost and more effectively than anything else.

Amalanchier (Shad Bush)

BOTRYAPIUM (Dwarf Juneberry). A shrub with slender, upright stems, growing in rather dense clumps. In the spring there is an abundance of white flowers followed by black, sweet berries in June. 2 to 3 feet. Each, 40c; three for \$1.10.

Hibiscus (Althea)

SYRIACUS (Rose of Sharon). One of the commonest of the ornamental shrubs, and hardy as far north as Ontario. The shrub is valuable for specimen planting, and its bright green leaves and great abundance of variously-colored flowers make it very effective when planted as a hedge. The color ranges from blue-purple to violet-red, flesh color, and white. There are also double forms. The plants we offer are strong, field grown, two and three years old.

ARDENS. Double violet. Tree form.
JEANNA d'ARC. Double white. Tree form.

RUBIS. Single red. Tree form.

SOUV. CHAS. BRETON. Single violet. Tree form.

TOTUS ALBUS. Single white. Tree form.
ALUSSIMA. Purple. Shrub form.

BOULE DE FEU. Double red. Shrub form.

MONSTROUS. Double red.

SOUV. CHAS. BRETON. Single violet.

TOTUS ALBA. Single white. Shrub form. Any variety, 35c each; collection of 10 varieties, \$3.00.

Berberis (Barberry)

THUNBERGII (Japanese Barberry). Of all the barberries in cultivation, this one is probably the best known, the most planted, and the most effective. It is one of the valuable introductions we have received from Japan, and is especially to be desired because of its low, dense, horizontal growth, the bright fall coloring of the leaves and the brilliant red berries that remain fresh and attractive until the following spring. It is quite hardy and will thrive equally well in shade or in sunny locations. Especially valuable for planting along walks and drives and for massing in the border. 18 to 24 inches. Each, 25c; 3 for 65c. 12 to 18 inches. Each, 20c; 3 for 50c.

MAHONIA, var. Aquifolia (Holly-leaved Mahonia). One of the evergreen glories of the ornamental gardens. It has deep green spines at set places; showy, bright-colored yellow flowers in early spring, followed by small berries of a bluish color. Very effective in grouping with deciduous shrubs, perennials, etc. The foliage is similar to our Christmas holly. Very effective for table decorations. 18 to 24 inches. Each, 75c; 3 for \$2.00.

Buddleia

VARIBILIS MAGNIFICA (Butterfly Bush). This shrub, of comparative recent introduction, has grown into favor almost immediately. It is a semi-herbaceous plant, by which we mean in some latitudes it will die down to the ground; and while perfectly hardy, we recommend covering the roots with manure, leaves, or other suitable material as winter approaches, as it will help to produce a heavy growth the next season. It is very hardy; blooms the first season, usually from June until frost; the blossoms are borne on long, graceful stems, which terminate in tapering panicles of lilac-colored flowers that are of miniature size, the flower head is frequently ten inches long. 2 to 3 feet. Each, 40c; 3 for \$1.10.

Calycanthus (Sweet Shrub)

FLORIDUS. A hardy, unique shrub, with large, handsome foliage, and most sweetly-scented flowers of a dark reddish-brown. The old-fashioned "shrub" of our grandmother's garden. One of the earliest to bloom in the spring. 2 to 3 feet. Each, 40c; 3 for \$1.10.

Cornus (Dogwood)

ALBA, var. Siberica (Siberian Dogwood). A tall shrub with bright, coral red branches, making them very ornamental, even after the flowers are gone. 2 to 3 feet. Each, 35c; 3 for 95c.

FLORIDA, var. Rubra. A very beautiful form of the dogwoods with blossoms that are pink on the outside of the petals. 2 to 3 feet. Each, \$1.50; 3 for \$4.00.

CORNUS STOLONIFERA. Red osier Dogwood. Shrub to eight feet with dark red bark and drooping branches. Fine for background. 2 to 3 feet. Each, 50c; 3 for \$1.25.

Crataegus (Thorn)

CRUS-GALLI (Cockspur, Thorn). A very decorative species of distinct habit, handsome in bloom and showy, bright red fruits that remain on the branches a long time. The leaves assume a bright scarlet and orange in fall. Often used for hedges. 2 to 3 feet. Each, 75c; 3 for \$2.00.

OXYACANTHA (May, English Haw-thorn). A small-growing, attractive tree, bearing in early May an abundance of white, sweet-scented flowers, followed by bright red fruits. Much used for hedges in England. 3 to 4 feet. Each, \$1.25; 3 for \$3.50.



Lilac



Barberry



Spiraea



Hydrangea

Ornamental Shrubs

Deutzia

An elegant species of strong, erect-growing shrubs, except the dwarf sorts. Especially prized for the beautiful clusters of blossoms in May.

PRIDE OF ROCHESTER. A showy and early, large-flowering sort that blossoms in May before the others. Grows six to eight feet high. White flowers, large and double. One of the best of the Deutzias. 2 to 3 feet. Each, 35c; 3 for 95c.

GRACILIS. A handsome, dwarf, and bushy little shrub with slender, often arching branches. A neat shrub that blooms in May, clothing its branches in pure white flowers. Valuable for shrubberies or for forcing. 12 to 18 inches. Each, 35c; 3 for 95c.

DEUTZIA GRACILIS ROSEA. Similar to the above with pink flowers. 12 to 18 inches. Each, 40c; 3 for \$1.10.

Elaeagnus (Olive)

ANGUSTIFOLIA (Russian Wild Olive, Oleaster). Highly ornamental small tree, with handsome, silver-green leaves. The flowers are small and inconspicuous, but fragrant. The fruit is yellow, coated with silver scales. Valuable for planting in dry or cold places. 2 to 3 feet. Each, 35c; 3 for 95c.

Euonymus (Spindle Tree)

ALATUS (Corky Bark). An attractive, ornamental shrub to eight feet. The flowers appear in May and June. In autumn the foliage changes to a fine rose color. 2 feet. Each, 60c; 3 for \$1.50.

Forsythia Golden Bell

FORSYTHIA FORTUNEI. Highly ornamental free-flowering shrub, growing to eight feet. Upright, arching branches. Will grow in almost any garden soil and are hardy north. Golden, yellow flowers appear in early spring, before the leaves. 2 to 3 feet. Each, 40c; 3 for \$1.10.

Ribes (Currant)

AUREUM (Golden Currant). Most grown for its yellow, fragrant flowers. Fruit, dark brown or black. 2 to 3 feet. Each, 35c; 3 for 95c.

Prunus (Almond)

AMYGDALUS, Var. *Plena* (Double Flowering Almond). Pink and white varieties. Hardy as far north as Ontario. Flowers very double and appear in early spring. 2 to 3 feet. Each, 50c; 3 for \$1.25.

TRILOBA. A most desirable bush. Hardy in central New York and Ontario. The flowers are solitary and mostly rose colored; sometimes white, usually double. The fruit small and red. 2 to 3 feet. Each, 50c; 3 for \$1.25.

Hydrangea

ARBORESCENS. Erect shrub, four to ten feet. Well adapted for shrubberies. They grow best in a rich, porous, and somewhat moist soil and flower very freely in June and July. 2 to 3 feet. Each, 40c; 3 for \$1.10.

PANICULATA GRANDIFLORA. This is the best-known form of the hydrangea. A hardy, ornamental shrub to thirty feet with dense, globose head. The large, white flowers appear in August and September. The sterile flowers changing later to purplish. 2 to 3 feet. Each, 35c; 3 for 95c.

TREE FORM. Similar to the above, except that they are trimmed into the form of a tree. 4 to 5 feet. Each, 75c; 3 for \$2.00.

Kerria

(Globe Flower, Japanese Rose)

KERRIA JAPONICA (Globe Flower or Japanese Rose). One of the first shrubs brought from Japan. It grows four to eight feet high with numerous short branches, spreading stems. Attractive in winter for its light green branches, in June, when its yellow flowers appear in greatest abundance, in November when its leaves are a clear yellow, and is not unattractive throughout the year. It is a refined plant and deserves free use in the ornamental border. Not thoroughly hardy in all situations in the Northern States. It grows in any good garden soil. 2 to 3 feet. Each, 40c; 3 for \$1.10.

VAR. FLORA PLENO. Similar to the above, except that it is more vigorous and more frequent in culture than the preceding. The flowers are double. 18 to 24 inches. Each, 45c; 3 for \$1.20.

PURPLE FRINGE. Smoke Tree. *Rhus Cotinus*. A bush 10 to 12 feet high with simple obovate leaves and brown bark; flowers purple in loose panicles and on long pedicels, which become profusely plumose, giving the plant a smoky appearance, from which it derives its common name. Early summer. 2 to 3 feet. Each, 40c; 3 for \$1.10.

Syringa (Lilac)

The lilacs are among the most popular and ornamental of the flowering shrubs, and no garden or park is complete without a collection of them. Some varieties are very fragrant, while others are scentless.

VULGARIS (Old-fashioned Lilac). The familiar species of all fine old gardens, with heart-shaped leaves and dense panicles of lilac flowers in May, still the most fragrant of any. 2 to 3 feet. Each, 35c; 3 for 95c.

PERSIAN. Various shades of lilac to deep purple. 2 to 3 feet. Each, 40c; 3 for \$1.10.

Lonicera (Honeysuckle)

MORROWI. A very decorative shrub that reaches six feet in height. The beautiful, pure white flowers appear in May or June and are followed by red fruits, which remain until late autumn. 2 to 3 feet. Each, 40c; 3 for \$1.10.

TARTARICA. This is one of the old-time favorite shrubs. It attains about ten feet in height and is extremely easy to cultivate. The pink, white, or cream-colored flowers are produced in pairs. The upper lip is deeply divided and spreading. 2 to 3 feet. Each, 40c; 3 for \$1.10.



Ligustrum (Privet)

VULGARE (Common Privet). Ornamental shrub with shiny, dark green leaves. Whitish flowers in June and July, and followed later by black berries which usually remain on the branches through the winter. 2 to 3 feet. Each, 35c; 3 for 95c.

Philadelphus (Syringa)

GRANDIFLORA. Large, flowering shrub growing to about eight feet, with spreading branches, usually upright, and vigorous, flowers slightly fragrant. Rapid grower and most hardy. 2 to 3 feet. Each, 35c; 3 for 95c.

LEMOINEII. A graceful shrub with slender, arching branches. The blossoms appear in three- to seven-inch short racemes, very sweet scented. 2 to 3 feet. Each, 40c; 3 for \$1.10.

CORONARIUS (Mock Orange). This is not quite as showy as some of the other species and of somewhat stiff habit, but deliciously fragrant. 2 to 3 feet. Each, 35c; 3 for 95c.

PHILADELPHUS BOUQUET BLANC. Can you imagine anything more wonderful than this mass of white bloom? Bouquet Blanc is something new. A wonderful bloomer and a most shapely shrub. We have some sturdy plants that will increase in delight every year and will be the glory of your garden. Don't fail to include one or more with your order, you will be more than pleased with Bouquet Blanc. 2 to 3 feet. Each, 45c; 3 for \$1.15.

RHODOTYPHUS KERROIDES. A very ornamental, deciduous, much-branched shrub, usually from 3 to 7 feet high. It is very handsome and distinct, and is hardy as far north as Massachusetts. Has bright green foliage. Made very conspicuous by its white flowers in May or June and black fruits in the fall. 2 to 3 feet. Each, 35c; 3 for 95c.

SPIREA VAN HOUTTEI OR BRIDAL WREATH. Pure white flowers in long panicles, which droop almost to the ground, giving the appearance of driven snow. The foliage is very graceful—the small leaves being a fine dark green. 2 to 3 feet. Each, 30c; 3 for 80c. 3 to 4 feet. Each, 40c; 3 for \$1.10.

SPIREA BILLARDIA ROSE. A shrub to six feet in height with oblong leaves, usually grayish beneath, at least when young. Flowers are bright pink on five- to eight-inch long, tomentose panicles usually rather narrow and dense. July and August. 2 to 3 feet. Each, 35c; 3 for 95c.

SPIREA BILLARDIA ALBA. Similar to the above, but with white flowers. 2 to 3 feet. Each, 35c; 3 for 95c.

SPIREA THUNBERGII. Five feet high. A very graceful shrub, early flowering. The slender, arching branches clothed with feathery, bright green foliage, turning in the fall to orange and scarlet. Almost hardy, but tips of branches are sometimes killed by severe cold. The pure white flowers about one-third-inch across, appearing in April or May. 18 to 24 inches. Each, 35c; 3 for 95c.

SPIREA VAR. ANTHONY WATERER. A very free-flowering, compact, dwarf shrub, with bright crimson flowers in dense corymbs. A very desirable variety that blooms all summer, 12 to 18 inches. Each, 45c; 3 for \$1.15.

SPIREA DOUGLASI. Shrub to 8 feet with reddish-brown branches; leaves are oblong, 1 1/2 to 4 inches long. The deep pink flowers are borne in dense, rather narrow, panicles. 4 to 8 inches long. July and August. 2 to 3 feet. Each, 40c; 3 for \$1.10.

SPIREA GOLDEN—A valuable shrub for the background growing from 8 to 10 feet. Foliage beautiful golden color. 2 to 3 feet. Each, 40c; 3 for \$1.10.

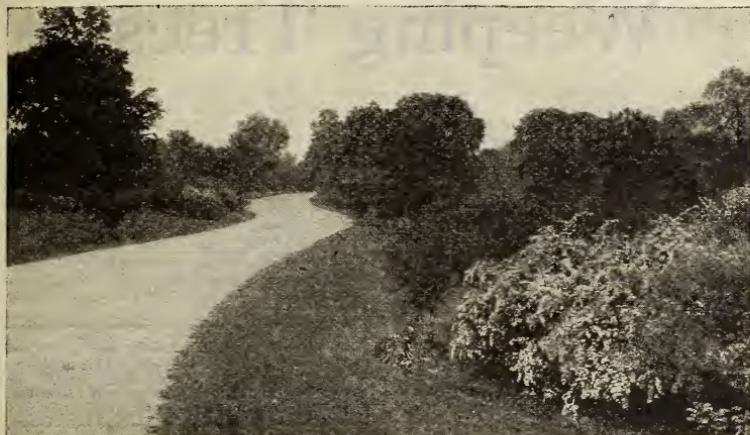
Rhus (Sumac)

GLABRA, var. LACINATA. This variety with its deeply and finely cut leaves is very handsome, not quite so hardy as some of the other forms and not so tall growing. 2 to 3 feet. Each, 50c; 3 for \$1.25.

TYPHINA (Staghorn Sumac). This variety grows in the driest soils and is a very desirable plant on account of its brilliant fall coloring which, in dry locations, begins to show in August. The crimson fruits remain on all winter. 2 to 3 feet. Each, 50c; 3 for \$1.25.

Stephanandra

FLEXUOSA. This plant is closely allied to the Spirea style of beauty. It grows two to three feet high and has long, terminal branches which are regularly and densely interwoven in a fan-like manner and are very graceful. The snow white flowers which appear in June are small, but so numerous that they become very showy. Especially well adapted to the back of borders. Its foliage during the early spring is tinted red; deep, glossy green during the summer, and in the autumn puts on its usual tints of reddish purple. 2 to 3 feet. Each, 40c; 3 for \$1.10.



This photograph shows a park scene and will give you an idea of the natural effect produced by low growing ornamental shrubbery. This class of plants planted about your house and grounds will transform them to a place of beauty.

Symporicarpus

RACEMOSUS (Waxberry). A perfectly hardy shrub from two to three feet high, excellent for massing in the lower parts of a bed or border. They will thrive in almost any garden soil. The rose-colored flowers appear in loose, often-leafy racemes in July and August. The white, waxy-like berries remain on until late in the autumn. 2 to 3 feet. Each, 45c; 3 for \$1.15.

VULGARIS (Indian Currant, Coral Berry). A rather compact bush valuable because of its abundant and persistent fruit and foliage. 2 to 3 feet. Each, 40c; 3 for \$1.10.

Tamarix (Tamarax)

These plants are very beautiful all the year, in winter for their coloring of the bark in summer for the light green, feathery foliage and large loose panicles of purplish flowers.

AFRICANA. An upright grower to eight feet. Blooms in May. 3 to 4 feet. Each, 40c; 3 for \$1.10.

HISPIDA. A graceful shrub with upright branches, flowers pink, appearing in August. 3 to 4 feet. Each, 40c; 3 for \$1.10.

ROSA RUGOSA. A valuable, perfectly hardy type, much used in landscape work; the heavy wood and shrubby formation adapting it to hedges and hardy borders. The foliage is lustrous dark green, borne in varying sizes and are succeeded by persistent fruits which remain on most of the winter. 2 to 3 feet. Each, 50c; 3 for \$1.25.

Viburnum (Snowball)

DENTATUM (Arrow-wood). A gorgeous upright, native shrub, thriving best in moist soil. It is especially hardy, doing well from New Brunswick to Minnesota. It blooms in May or June, followed by black fruits. 2 to 3 feet. Each, 50c; 3 for \$1.25.

TOMENTOSUM, var. Plicatum (Japanese Snowball). One of the choicest shrubs with much to recommend it and no objectionable features. Foliage is abundant during the summer and fall, and its balls of pure white are borne in greatest profusion. Fine for specimen planting. 2 to 3 feet. Each, 50c; 3 for \$1.25.

LANTANA (Wayfaring Tree). This is a hardy shrub, especially for dry situations

and limestone soil. The large, white flower clusters open in May and June, and are followed by red fruit. The foliage is particularly soft and heavy. 2 to 3 feet. Each, 50c; 3 for \$1.25.

OPULUS (High Bush Cranberry). Handsome native shrub attaining twelve feet, with rather smooth, light gray branches and stems. The pure white flowers appear in May and June, followed by decorative fruits, which begin to color by the end of July and remain on the branches and keep its bright scarlet color until the following spring. The berries are not eaten by birds. 2 to 3 feet. Each, 40c; 3 for \$1.10.

VAR. STERILE (Common Snowball, Guelder Rose). This is the well-known common snowball of the old-fashioned gardens. Besides the snow-white flowers in May, the foliage is decorative and assumes a bright color in fall. 3 to 4 feet. Each, 50c; 3 for \$1.10.

FRINGE WHITE. *Chionanthus Virginica*. A handsome, ornamental shrub or small tree of excellent habit, large, dark, shiny green foliage with beautiful fringed white flowers in early summer followed by dark, blue fruits. This is one of the most decorative shrubs. 2 to 3 feet. Each, 50c; 3 for \$1.25.

Diervilla (Weigelia)

An ornamental and popular class of graceful shrubs. The beautiful, trumpet-shaped flowers appear in May and June in such profusion as to almost completely hide the foliage. Very desirable for the border and for grouping. They vary in color from pure white to dark red. The following are all choice varieties.

ROSEA. This is one of the most cultivated species, very free flowering, rather hardy. Flowers pale or deep rose color. Six feet. 2 to 3 feet. Each, 45c; 3 for \$1.15.

NANA VARIEGATA. The leaves of this sort are variegated with white; flowers nearly white. Dwarf. 2 to 3 feet. Each, 45c; 3 for \$1.15.

EVA RATHKE. Flowers are a deep carmine-red, erect growing. A most profuse bloomer in spring and again in autumn. 2 to 3 feet. Each, 50c; 3 for \$1.25.

FLORIBUNDA. Similar to the above, but more vigorous grower, flowering from spring until frost. 2 to 3 feet. Each, 45c; 3 for \$1.15.

Weeping Trees

THE weeping trees are very interesting as well as beautiful and effective when rightly placed upon the lawn, or in the park. The charm of these trees is not their stateliness and grandeur so much as it is the odd and fantastic shapes which they so often assume. The best and most satisfactory are offered below.

Acer (Maple)

SACCHARINUM, var. Wieri (Wier's Cut-leaf Weeping Maple). This variety of the maple has very pendulous branches and the leaves are deeply cleft, giving them almost a fern-like appearance. 6 to 8 feet. Each, 70c; 3 for \$1.80.

Betula (Birch)

ALBA, var. Pendula Lanceolata (Cut-leaf Weeping Birch). Many attractive characteristics combine to make this a tree of wonderful grace and beauty. Tall, slender, drooping branches and delicately cut leaves. It colors brilliantly in the fall. Its bare white trunk and branches make a beautiful winter picture. 5 to 7 feet. Each, \$1.20; 3 for \$3.20.

Morus (Mulberry)

ALBA, var. Tartarica Pendula (Tea's Weeping Mulberry.) We recommend this as one of the thriftiest, hardiest, and most beautiful of the weeping trees, with slender, willowy branches that sweep the ground, forming a beautiful tent of green. 6 to 8 feet. Each, \$2.00; 3 for \$5.50.

Ulmus (Elm)

SCABRA, var. Pendula (Camperdown Elm). One of the most distinct and picturesque of the weeping trees. Hardy everywhere, and not particular as to soil. Leaves are large, glossy, and dark green. Its vigorous branches have a uniform habit. 2 year heads. Each, \$2.00; 3 for \$5.50.

Salix (Willow)

ELEGANTISSIMA. A strong and the most vigorous grower of all the weeping willows. Used for planting in low places or on the banks of streams, springs, lakes, or ponds, making a very beautiful effect. 6 to 8 feet. Each, \$1.00; 3 for \$2.50.

DOLOROSA (Wisconsin Weeping Willow). A weeping tree of rarely more than forty feet in height. The branches are long, slender, and pendulous. The trees are quite hardy and will stand planting in the Northern States. 6 to 8 feet. Each, \$1.00; 3 for \$2.50.

Evergreens

Hardy coniferous evergreens are indispensable in much of the landscape work that is done to-day. Every lawn, park, etc., should have at least a few of these beautiful specimens to give the bit of color that is needed to set off the rest of the planting. They are especially valuable as backgrounds against which to group other trees and plants with beautiful colored leaves and branches. They are useful for screens and windbreaks and, besides this, furnish homes for birds that remain with us during the winter.

Right here let us call your attention to the fact that many of the very best varieties are scarcely known at all to the great mass of people. We have growing in our nurseries over one hundred varieties that are all hardy and well adapted to the various uses that are now being made of evergreens.

Our evergreens have all been several times transplanted, so have a fine root system. With this they will readily establish themselves when planted on the lawn or elsewhere.

Thuya (Arborvitae)

OCCIDENTALIS (American Arborvitae). Foliage of light green color. This is a very good tree for grouping, for tubs and vases, and for formal uses they are unsurpassed. They are very quick growers and may be trimmed to any desired height. Fine for hedges. 2 to 3 feet. Each, 90c; 3 for \$2.50.

VAR. PYRAMIDALIS (Pyramidalis Arborvitae). Forms a tall, slender column of densely branched, dark green foliage. A very graceful tree having a number of uses. 2 to 3 feet. Each, \$1.40; 3 for \$3.60.

PICEA EXCESA (Norway Spruce). This tree is extensively planted in many of the States. It is of rapid growth, with graceful habits and dark green foliage. It is one of the best conifers to plant for shelter and windbreaks. 12 to 18 inches. Each, 50c; 3 for \$1.25. 18 to 24 inches. Each, 50c; 3 for \$1.25.

Hedge Plants

Nothing adds so much beauty to a home as a well-kept hedge, and many home owners are realizing what an improvement a hedge can make to their grounds.

Any of our hedge plants can be trimmed to any shape, square, round, low or high. The cost of planting and the up-keep cost is extremely low. Among the evergreens the American Arborvitae and Norway Spruce are the leaders. They succeed everywhere, are readily transplanted and may be kept any desired size or shape.

California Privet

Among the shrubs for hedges, California Privet takes the place that Osage Orange does amongst the thorny hedges. It is not particular as to soil, grows readily in open places or beneath the shade of trees; is a vigorous grower anywhere; endures the unnatural conditions of the cities. May be pruned back to any desired shape. The more it is cut, the thicker and handsomer it grows.

Our plants are bushy and low-branched —grown especially for hedges.

California Privet.

1 year, 12 to 18 in., 50c, \$1.50
1 year, 18 to 24 in., 50c, 1.75; 100, \$2.50
2 years, 2 to 3 ft., 50c, 2.25; 100, \$4.00

School Children's Junior Liberty Offer, 48c

Boys and Girls, Here is Your Chance—Here is Your Opportunity!

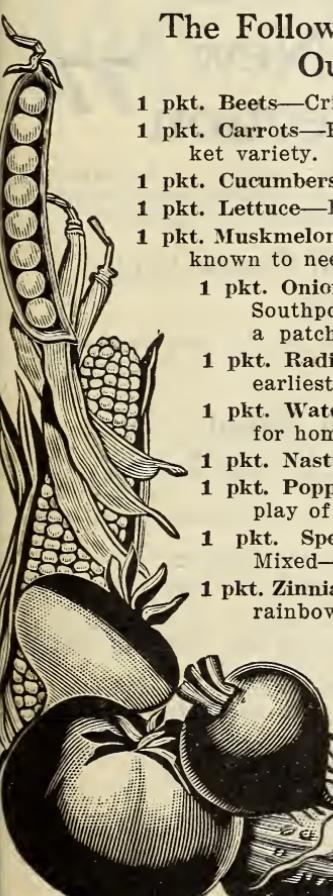
We are making these special prices at very nearly cost just to get better acquainted with the school boys and girls of America, because in only a few years you will be the men and women of the United States, and we know that if we give you a good square deal you will remember us. It is not the business that we get today that makes our seed business but it is the future of the business, that we are after.

Remember our seeds are Pure. Genuine and Unadulterated. Tested, Fresh seeds that grow, the kind that you will want to put in your garden—the kind that will start you in business.

This is also the collection that Galloway Seed Scouts are offering throughout the country.

Show this to your teacher. Tell your folks about it and when you send your order in refer to Galloway's Junior Liberty Collection No. 12. All for 48 cents postpaid.

The Following Varieties are Selected From Our Very Choicest Seeds



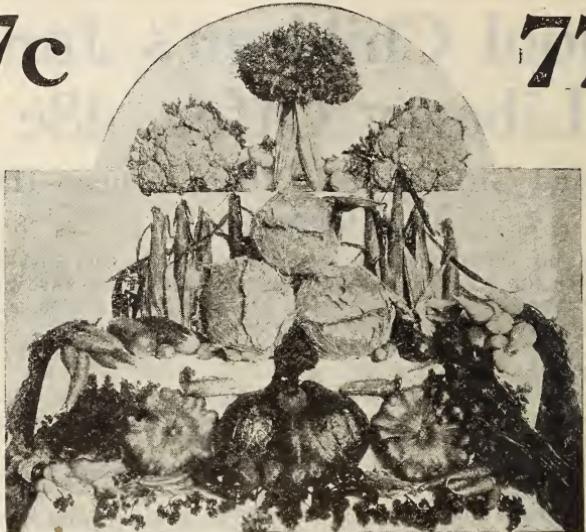
- 1 pkt. Beets—Crimson Globe—best table beet for general use.
- 1 pkt. Carrots—Half Long Nantes—rich orange red—best market variety.
- 1 pkt. Cucumbers—Long Green Favorite.
- 1 pkt. Lettuce—Big Boston—earliest and best head lettuce.
- 1 pkt. Muskmelons—Rocky Ford—green fleshed melon—too well known to need our recommendation.
- 1 pkt. Onions — Southport White Globe — finest of the Southport White Globes—no garden should be without a patch—splendid variety.
- 1 pkt. Radishes—Scarlet Globe White Tipped—best and earliest radish.
- 1 pkt. Watermelon—Tom Watson—sweet, delicious, best for home and market.
- 1 pkt. Nasturtiums—Tom Thumb—perfect gaiety of color.
- 1 pkt. Poppies—Shirley or Ghost Poppy—wonderful display of color.
- 1 pkt. Spencer Sweet Peas — Giant Orchid Flowering Mixed—enough for ten foot row.
- 1 pkt. Zinnias—Mammoth Double Mixed—every color of the rainbow.

Order From

Galloway Bros. & Co.
Waterloo, Iowa

77c

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A sample of the vegetables grown from Galloway Bros. & Company
Pure Tested Seeds, sent us by one of our year-to-year customers.

77c Galloway's New Wonder Collection 77c

It is a WONDER in value—a WONDER in quantity—a WONDER in varieties—a WONDER in results—a WONDER in rotation and succession—according to one of our friends “a truly WONDERFUL creation!”

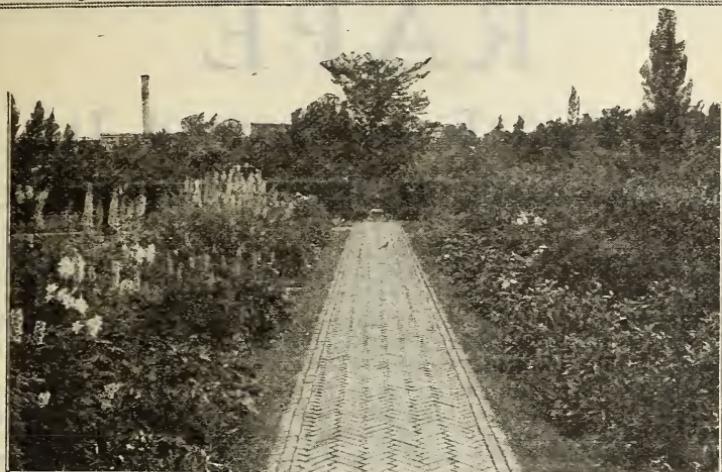
All Eleven Varieties, of a Full Ounce Each,
for Only 77 Cents

This is also a LUCKY collection because it is No. 11, because there are 11 varieties, and because the price is 77 cents. Try it! It will make you smile and will please you!

Eleven Vegetables—All Mixed

- 1 oz. Beets—Table beets, round, long, half long, flat, mixed.
- 1 oz. Carrots—A mixture of seven varieties, early and late; orange, red, white, yellow.
- 1 oz. Cucumbers—Wonderful mixture, all of our very best varieties for slicing and pickling.
- 1 oz. Lettuce—Seven varieties, early and late, curly and head.
- 1 oz. Muskmelons—Eleven varieties, from the small juicy sweet one to the large heavy market kind.
- 1 oz. Onions—Large Globe, round and flat, red, yellow, white, enough to produce more onions than a family of ten can eat, with five bushels to sell.
- 1 oz. Pumpkins—A special mixture for pies and canning, early and late.
- 1 oz. Radishes—Special mixture, early, main crop and late, red, white, purple, speckled, long round, oval.
- 1 oz. Sweet Corn—A complete mixture of our all prize, early and late varieties; will give you a succession that will last a month.
- 1 oz. Turnips—White, purple, yellow, early and late.
- 1 oz. Watermelons—Eleven varieties; “seven come eleven”; early, medium, late, long and round.

Order this collection and you will say it is truly wonderful, which its name implies. Only 77 cents postpaid. Ask for Collection No. 11.



With this "Fairyland" Collection you can transform any back yard into a spot of beauty

44c GALLOWAY'S "Fairyland" Collection

Seven Special Mixed Varieties

If you want to make a genuine present to one of your best friends mail them the **Lucky "Fairyland" Collection**. While the flowers are growing and in bloom you will always be remembered by your friends.

Liberal Pkt. Asters—Special mixture beautiful.

Liberal Pkt. Indian Pinks—Fairy Queen mixture.

Liberal Pkt. Larkspur—Spikes of beauty—all colors.

Liberal Pkt. Phlox Drummondii—Brilliant mixture—every known color—the humming bird's delight.

Liberal Pkt. Sweet Peas—Large packet of our Grandiflori mixture of sweet peas—enough to plant 20 ft.—every color imaginable.

Liberal Pkt. Poppies—Shirley or Ghost Poppy—every color of the rainbow—wonderful display.

Liberal Pkt. Zinnias—A rainbow mixture.

All of the above seven liberal packets, "Galloway's Lucky Seven," for **44 cents, postpaid**. Ask for collection No. 7.

Germinating Table of Garden Seeds

Beans	5 to 10 days	Lettuce	6 to 9 days
Beets	7 to 11 days	Onions	7 to 10 days
Cabbage	5 to 10 days	Peas	6 to 11 days
Carrots	12 to 18 days	Parsnips	10 to 20 days
Cauliflower	5 to 10 days	Pepper	9 to 15 days
Celery	10 to 20 days	Radishes	3 to 6 days
Corn	5 to 7 days	Salsify	7 to 12 days
Cucumbers	6 to 10 days	Tomatoes	6 to 11 days
Endive	5 to 9 days	Turnips	4 to 11 days

Sow pole limas, corn, musk melons, potatoes, squash and cucumbers six seeds to a hill. Thin to three or four strongest plants to a hill. All other seeds sow in drills or broadcast.

The tender vegetables are beans, corn, cucumbers, eggplant, melons, okra, peppers, pumpkins, squash and tomatoes. The hardy vegetables are beets, carrots, cress, kohlrabi, lettuce, peas, radishes, spinach, onions and turnips.

RAPE

Have You Ever Sowed It? If Not, Be Sure to Sow Some Now

Rape is especially relished by hogs and sheep, and when you stop to think about it the entire returns can just be considered that much actual profit because the outlay of expense is practically nothing.

Take, for example, the putting of Rape along with oats. It is certainly a splendid way to get an abundance of feed for practically nothing, because it really costs you nothing when you come to think about it.

There are two ways of putting rape in with the oats—first, if you are putting the oats on a piece of high land, then it will be all right to put 5 to 6 pounds of Rape seed to the acre at the same time you put in your oats. They can be sown just at the same time if the field is well drained as above referred to. You will be surprised when it comes time to cut the oats to find that the Rape seed had hardly made much of a start yet and it interfered not at all with the binding of the grain. But in a week or ten days' time after the oats are in the shock then you will be delighted to find your field a mass of green feed that will just simply be "apple pie for the sheep and hogs."

Now, then, the other way for putting the Rape seed in along with the oats is as follows—especially if the land is inclined to be low and particularly rich it will be best for you to sow oats without the Rape seed and in about ten days or a week afterwards put on the Rape. Sow broadcast or it could be drilled—either way will get results. The reason for sowing Rape late is that in case your ground is especially rich or inclined to be a little damp, it might be possible that the Rape seed would make a greater growth than would be desirable so that you might cut some of the Rape plants at the time you were cutting the oats; while by waiting you will find that there will be no difficulty at all from this source and you certainly will have to be delighted with the abundance of very excellent feed that is so greatly relished by your stock and which, by the way, you will see here has cost you practically nothing. Give your hogs a treat, put down an acre or two of this flesh making feed. You really cannot afford to be without it.

Price: 1 lb., 25c, postpaid; 10 lbs., \$2.00, by express; 100 lbs., \$18.00, by freight.



There is no better finishing feed for hogs and calves than Rape and they eat it with a relish

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Lawn Life

The Great Lawn and Garden Fertilizer

Especially prepared by Our Mr. Hall, Seed Expert

We have prepared a Special Lawn Fertilizer, which we have used upon our own Lawns and Playing Grounds during the Spring and Summer to great advantage. The grass which was in very poor shape and of unhealthy color, after two or three treatments soon began to improve and during the summer was a beautiful carpet of delightfully rich, dark green grass; something good to look upon, the admiration and envy of all who saw it and a real pleasure to tread upon. Now if your lawn or grass patch is in bad shape just let us send you a bag of our matchless Fertilizer. It certainly will do for your lawn what it did for ours. Many a good grass patch is spoiled for lack of a little plant food. Our fertilizer is good also for flower beds and borders; also for pot plants inside and out of the house; has no objectionable odor. As a stimulant to tomatoes and other vines it is without an equal. Last but not least the price is right.

Cat. No. 759—Price, 5 lb. bag, 35c (sufficient for 200 sq. ft); 10 lbs., 60c; 25 lbs., \$2.00; 100 lbs., \$3.50.

Use This Order Blank

ALLOWAY BROS. & COMPANY, WATERLOO

Name _____

Date 191

Post Office _____ State _____

Amount Enc. —

St. or Box No. _____ R. F. D. _____

Mail _____ Express _____ Freight _____

Shipping Station

Order No. _____

In sending this order I realize that no reliable seedsman would accept responsibility for more than the actual cost of the seeds.

I know that success depends largely upon conditions of climate, soil and moisture. Wild onions are hardy and answer me well.

I depend on you, as reliable experienced seed growers, reeders and importers, to use every care and send me only seeds that you believe are best for my planting in 1918.

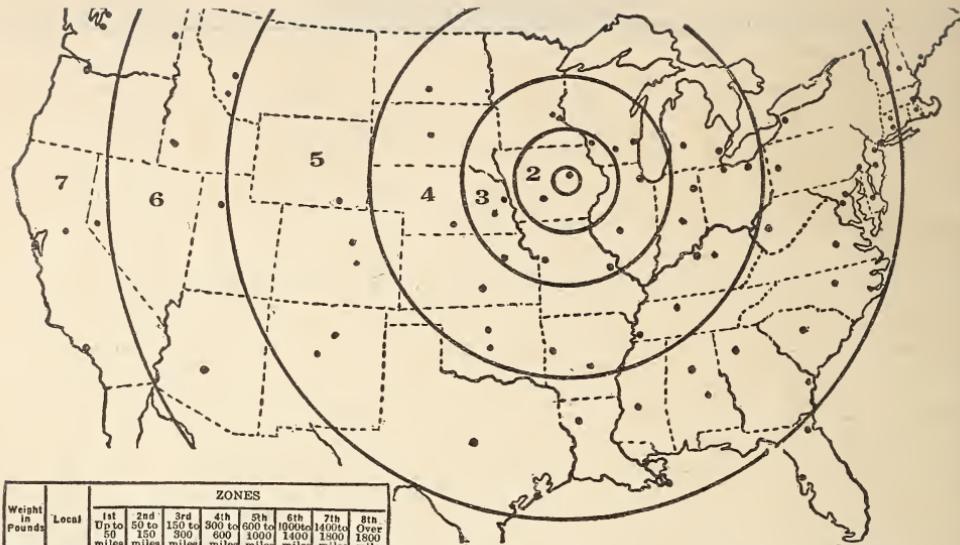
If I find any mistake has been made in filling my order, will advise you promptly, so you can either replace the seeds or refund the amount paid, as I may direct.

DO NOT WRITE IN THIS SPACE

GARDEN SEEDS—Continued

ORDER FOR FLOWER SEEDS

ORDER FOR NURSERY



Weight in Pounds	Local	ZONES							
		1st Up to 50 miles	2nd 50 to 100 miles	3rd 100 to 200 miles	4th 200 to 300 miles	5th 300 to 600 miles	6th 600 to 1,000 miles	7th 1,000 to 1,400 miles	8th Over 1,400 miles
1	\$0.05	\$0.05	\$0.05	\$0.06	\$0.07	\$0.08	\$0.09	\$0.11	\$0.12
2	.06	.06	.06	.08	.10	.15	.20	.21	.24
3	.06	.07	.07	.10	.15	.20	.25	.31	.34
4	.07	.08	.08	.12	.19	.25	.33	.41	.48
5	.07	.08	.08	.12	.19	.25	.33	.41	.48
6	.08	.10	.10	.16	.23	.32	.40	.51	.60
7	.08	.11	.11	.18	.24	.32	.40	.51	.60
8	.09	.12	.12	.20	.35	.50	.65	.81	.96
9	.10	.13	.13	.22	.39	.56	.73	.91	.108
10	.10	.14	.14	.24	.43	.62	.81	.101	.120
11	.10	.15	.15	.26	.48	.68	.89	.111	.132
12	.11	.16	.16	.28	.51	.74	.97	.121	.144
13	.11	.17	.17	.30	.55	.80	1.05	1.31	1.56
14	.12	.18	.18	.32	.59	.86	1.13	1.41	1.68
15	.12	.19	.19	.34	.63	.92	1.20	1.51	1.80
16	.13	.20	.20	.36	.68	1.02	1.29	1.61	1.93
17	.13	.21	.21	.38	.71	1.04	1.37	1.71	2.04
18	.14	.22	.22	.40	.75	1.10	1.45	1.81	2.16
19	.14	.23	.23	.42	.79	1.16	1.53	1.91	2.28
20	.15	.24	.24	.44	.83	1.22	1.61	2.01	2.40
21	.15	.25	.25						
22	.16	.26	.26						
23	.16	.27	.27						
24	.17	.28	.28						
25	.17	.29	.29						
26	.18	.30	.30						
27	.18	.31	.31						
28	.19	.32	.32						
29	.19	.33	.33						
30	.20	.34	.34						
31	.20	.35	.35						
32	.21	.36	.36						
33	.21	.37	.37						
34	.22	.38	.38						
35	.22	.39	.39						
36	.23	.40	.40						
37	.23	.41	.41						
38	.24	.42	.42						
39	.24	.43	.43						
40	.25	.44	.44						
41	.25	.45	.45						
42	.26	.46	.46						
43	.27	.47	.47						
44	.27	.48	.48						
45	.27	.49	.49						
46	.28	.50	.50						
47	.28	.51	.51						
48	.29	.52	.52						
49	.29	.53	.53						
50	.30	.54	.54						

Remittance—Our terms are cash with the order. We do not care to ship goods C. O. D. unless it is absolutely necessary, as this would mean additional expense to you. All remittances should be sent in by postal or express money order, draft or personal check. Coin, currency or stamps should be registered. We cannot be responsible for coins sent in with ordinary mail.

Shipments—We make shipments promptly.

Seeds and "Nitragin" will be shipped immediately. **Nursery Stocks and Bulbs** about April 1st, or as soon as weather conditions permit. **Tender Plants** about May 1st, or before, if weather will permit.

If you order garden seeds, shrubbery, nursery stock and plants, don't expect it to be shipped all at one time because if you order garden seeds in time to plant it is often too early to ship nursery stock and tender plants.

How We Ship—If catalog reads, "Postpaid," we ship either by parcel post or prepaid express—your choice. If order also contains seeds to be forwarded by express at your expense, we reserve the right to enclose "postpaid" seeds and make up the saving with extra seeds. If your order includes articles which we do not prepay and you desire it sent by parcel post add parcel post fee to your remittance. You can easily figure this by referring to parcel post map and rate scale. Articles marked "By Freight or Express," or not marked "Postpaid," will be f. o. b. Waterloo, or shipping point; bags and packing free. If shipment goes forward at your expense we prefer to have you specify whether by freight or express and by what line or company. When shipment is forwarded by express we will advise you by postal card and when by freight we send you copy of the bill of lading. If there is no freight agent at your station it will be necessary to prepay charges to have delivery made at that point. Please add amount of freight charges to your order. If you cannot ascertain what charges will be on your shipment, write us and we will be glad to secure this information for you.

Include your order for nursery stock with your seed order, and we will be glad to ship when proper season arrives or at whatever time you say. We guarantee our nursery stock to reach you in good condition and to be of size and age mentioned. In case shipment arrives in bad condition, have the express agent note the particulars on your Express Receipt.

Important Notice

Don't Overlook Dwarf Essex Rape

Last year, on one of William Galloway's farms just before the last corn plowing, we sowed rape broadcast on about 20 acres. It was covered by the cultivator. The results were phenomenal.

After the corn was husked we turned into this piece of ground 128 hundred-pound hogs. The way these hogs grew and put on meat was something wonderful. Rape contains food value to hogs that is almost equal to the food value of milk.

These hogs thrived and grew, were the healthiest lot of pigs we ever saw, as rape puts on weight quicker than any other feed, and this rape patch was a real money maker.

When the hogs were taken off this patch of rape it was finally cleaned up by the cattle when they were picking the roughage from the corn stalks, the combination of stalks and rape making a fine balanced ration.

What we have done you can do. Every farm in the United States, where there are hogs and cattle, should have from five to thirty acres of rape. It means very little expense, and gives practically a double crop. It also keeps down noxious weeds, as it grows very fast. Rape is also excellent for sheep.

Rape will endure quite severe cold weather, and make a good pasture after frost has killed ordinary pasture grasses. It will also keep green in a dry year when the grass is dried out. The popularity of rape is increasing every year. You should use and recommend it. It is a food conservator.

We have an extra select lot to offer this year of Imported Dwarf Essex Rape and advise that you get your order in early.

Stop! Look Here Just One Minute! Reading This May Save You \$100 Cash!

Don't throw away your money. Why waste good money buying Clover, Alfalfa and other legume seeds, without first considering "Nitragin" inoculation?

LISTEN! Many farmers and planters wonder why they can't get a clover or alfalfa "catch." They try year after year, spend their money for this expensive seed, and keep on trying and wondering, when as a matter of fact "Nitragin" would have solved their problem and given them the desired "catch" and saved them hundreds of dollars, not only in saving of their seed, but by bringing them a big crop and additional fertility for the crops that follow.

"Nitragin" is a world recognized safe and sure bacteria inoculation. It is not an experiment. It is low in price. It is not only recognized by all state experiment stations, but by thousands of the most businesslike and progressive farmers of this country!

Many farmers have the wrong idea. They think because they don't get a "catch" of these legumes that it is on account of the seed or the weather, when nine times out of ten it is because of lack of proper inoculation. Write to your experiment station and ask them if we are not right, and also ask them what they think of "Nitragin" if you doubt these statements.

Testimonial

Cut my alfalfa yesterday and put it in the barn today without rain. Some said it would not grow here, but this is the second crop and it is looking fine. I used the "Nitragin" and I am fixing more ground to put in alfalfa.

R. B. MARR, Filley, Mo.



PRICES

Garden Size (For Peas, Beans and Sweet Peas) \$.30
(Shipping weight 4 ounces)

1/2 acre size (Shipping weight 4 oz.)	.50
1 acre size (Shipping weight 8 oz.)	1.00
2 acre size (Shipping weight 1 lb.)	1.80
5 acre size (Shipping weight 2 1/2 lbs.)	4.00
10 acre size (Shipping weight 5 lbs.)	7.50

Postage or express extra.

Galloway Bros. & Co., Waterloo, Iowa

**Special Wholesale
List of Galloway
High Quality Field
Seeds**

February 1919

Prices Subject to Change



Order Early!

Notice our low
prices. Prompt
delivery from
three shipping
points.

WHEN we started in this season, as announced in the seed catalog, we did not intend to handle field seeds this year on account of the enormous demand for garden seeds and nursery stock, but on account of insistent calls, especially from our old customers, we are offering the following wholesale list of field seeds.

You will notice we are not illustrating field seeds in the catalog, as everybody is familiar with them, and on account of saving this expense we are enabled to make an extra low special wholesale cash price on field seeds.

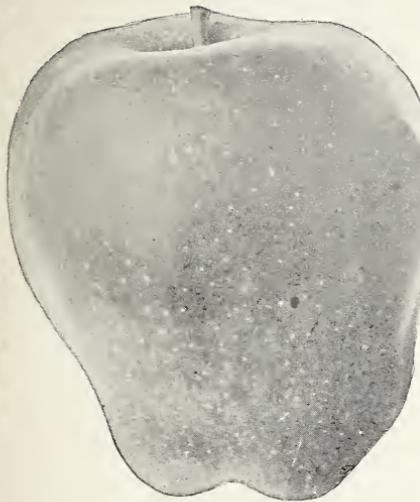
The following prices are subject to change and fluctuation, and we would suggest that you order at once from this price list; otherwise, if you wait 30 days, the prices may change. Usually prices advance as the season advances. These prices are f. o. b. warehouse.

We have made a new arrangement this year that enables us to serve our field seed customers better than ever before, being able to ship from the following points: Waterloo, Iowa, Chicago, Ill., and Southwestern Iowa.

Wholesale Price List

ALFALFA	1 bu.	½ bu.	¼ bu.	Per bu. in 10 bu. lots	1 bu.	½ bu.
Special	\$ 8.90	\$ 4.55	\$ 2.40			
Choice	12.85	6.55	3.90	Cane	\$ 3.40	\$ 3.50
Fancy	14.25	7.35	3.80	Kaffir Corn	2.70	2.75
Grimm Quality	19.50	9.90	5.10	Fall Vetch	12.75	13.25
CLOVER						
Country Run Red	19.85	10.10	5.20	Spring Vetch	4.75	4.90
Choice Medium Red	23.00	11.75	5.85	Cow Peas	4.95	5.00
Fancy (Extra) Red	26.75	13.50	7.00	Canadian Field Peas	4.75	4.90
Choice Mammoth	23.75	16.90	8.55	Soy Beans	4.75	4.90
Fancy (Extra) Mammoth	26.50	13.30	6.75	Essex Rape	6.25	6.50
Special Alsike	17.85	9.10	4.65	Sudan Grass	7.50	7.75
Choice Alsike	19.75	9.95	5.10	Billion Dollar Grass	4.00	4.25
Fancy (Extra) Alsike	21.25	10.40	5.30	Golden Millet	3.50	3.80
Choice White Blossom Sweet				Siberian Millet	3.00	3.25
Clover	15.50	7.85	4.10	Per bu. in 25 bu. lots	Per bu. in 10 bu. lots	1 bu.
Fancy White Blossom Sweet				103 Oats	\$1.20	\$1.30
Clover	17.25	8.70	4.45	105 Oats	1.25	1.35
Fancy Yellow Blossom Sweet				Swedish Select Oats	1.30	1.40
Clover	14.90	7.55	3.85	Marquis Wheat	3.00	3.25
TIMOTHY				Blue Ball Barley	3.00	3.30
Country Run	4.50	2.30	1.25	Mansury Barley	1.90	2.00
Choice	4.95	2.55	1.35	Speltz	1.75	1.85
Fancy (Extra)	5.75	2.95	1.55	Spring Rye	3.00	3.10
MIXTURES						
Clover, Alsike and Timothy	7.25	3.70	1.90			
Clover and Timothy	7.50	3.80	1.95			

GALLOWAY BROS. & CO. give no warranty, expressed or implied, as to description, quality, productiveness, or any other matter of any seeds, bulbs, plants, shrubs, or trees they send out, and they will not be responsible in any way for the crop. If the purchaser does not accept the goods on these terms, and they are not satisfactory after examination, they are at once to be returned and money refunded.



STOP HERE!

There are 90,000,000 people in the United States today who are not familiar with the famous Delicious apple.

If one-half of the people knew about the merits of the Delicious and that it was hardy and could be successfully grown in any state, and even in Canada, there is one thing they would do this spring, and that is, set out a few Delicious apple trees.

The Delicious is an apple that is an enormous bearer and bears early and regularly; a perfect keeper; bruises do not decay; but above all it is an apple that never has had, and perhaps never will have in the history of horticulture, a superior! It has a delicious flavor and odor all of its own, juicy, sweet, and will not sag the teeth; an apple that commands positively the highest price everywhere, selling as high as ten, fifteen and twenty-five cents in the cities, and yet you can grow it on vacant ground in your own yard or on your farm with perfect ease.

I have said a hundred times if I had to pay ten or fifteen cents for a Delicious apple I would rather have it than to get three or four or five of any other kind for a nickel!

Just now, as I am writing this little article for this catalog, I bought four boxes of Delicious apples at the wholesale fruit house in Waterloo, one Extra Fancy at \$4.50 and three Fancy at \$4.25. I was glad to pay the money.

If you have a little spot of ground, no matter whether it is 40 ft., a quarter of an acre, an acre or some little spot on your farm, put in a few Delicious apple trees. You never will regret it as long as you live. I stake my entire reputation and honor on this statement. I know what I am talking about.

When Jesse Hiatt gave to mankind this most luscious fruit the world has ever known he did you and I and every apple lover a favor. If you don't take advantage of it by planting a few of these trees you are missing one of the things that is worth while, I have every vacant spot conceivable on my grounds covered with Delicious apple trees and I propose to put out some every year.

SPECIAL OFFER ON WORLD FAMOUS DELICIOUS APPLE

Size	Price Each	Lots of 10	Lots of 20	Lots of 30
3-4 ft.	\$0.35	\$3.00	\$5.50	\$ 7.50
4-5 ft.	.45	4.00	7.50	9.50
5-7 ft.	.55	4.90	8.75	12.50

This scale of special prices gives you a wholesale quantity opportunity. While prices of all fruit trees are higher than they were two or three years ago, don't forget that the cost of labor, material, etc., for the production has run up even more in proportion. Also don't forget that Delicious apple trees are money makers and dividend payers.

This special offer is only put up in lots of ten except in single orders. When ordering refer to this as special offer "D."

If you try a lot of ten or twenty of these apple trees the results you will get will make you and I friends for life.



A three year old Delicious apple tree. Look at it! Sturdy, strong, loaded down with the wonderful rightly named Delicious apples. Hardest of all trees in every climate—best keeper—no equal in flavor and eating qualities—commands the price everywhere—a rare combination.

\$1



\$1

GALLOWAY'S Great Victory Garden

Biggest and Best Assortment Offer Ever Made

Grow your own food and help lower prices! Galloway's famous Victory Garden is especially planned to have you help! Besides, this superb garden seed assortment will make you an annual customer for Galloway Bros.' pure tested seed. Send a dollar bill (we trust Uncle Sam's boys) and we will send you postpaid the Victory garden seed collection pictured above; a quantity of fresh, pure tested, profitable seed for a garden 100x50 ft., and sufficient to supply a family of six with fresh vegetables during spring, summer and fall.

Order now—today. Get yours before the supply is gone. Be ready for planting time.

What You Get in the Victory Garden—

1 Pkt. Turnip (Snowball)	1 Pkt. Asters (Giant Victoria)
1 Pkt. Carrot (Danvers Half Long)	1 Box Sweet Corn (Golden Bantam)
1 Pkt. Beans (Dreer's Bush Lima)	1 Box Beans (Golden Wax)
1 Pkt. Cabbage (Copenhagen Market)	1 Box Peas (Excelsior)
1 Pkt. Parsley (Moss Curled)	1 Pkt. Lettuce (Big Boston)
1 Pkt. Cucumber (Improved Long Green)	1 Pkt. Lettuce (Summer Favorite)
1 Pkt. Onion (Red Globe)	1 Pkt. Beets (Little Gem)
1 Pkt. Squash (Warred Hubbard)	1 Pkt. Tomato (Ponderosa)
1 Pkt. Sweet Pea (Giant Flowering)	1 Pkt. Muskmelon (Rockyford)
	1 Pkt. Radishes (Sparkler)
	1 Pkt. Radishes (French Breakfast)

All Full Size—Regular Packages—Worth about \$2 if bought at retail

You take no risk whatever when you buy direct from this offer. Your money will be returned to you instantly if you are not satisfied. Order today sure.

GALLOWAY BROS. & CO., Waterloo, Iowa
SEEDSMEN—NURSERYMEN

Your Victory Garden seed offer which I received some time ago was certainly the biggest \$1.00 worth of seed I ever bought, and I want to tell you that everything has done fine. **GEO. W. HINKLEY, Fall River, Mass.**

